

```

1  GGGGAGATGT TGAAGTTCAA ATATGGAGCG CGGAATCCTT TGGATGCTGG
51 TGCTGCTGAA CCCATTGCCA ACCGGGCCTC CAGGCTGAAT CTGTTCTTCC
101 AGGGGAAACC ACCCTTTATG ACTCAACAGC AGATGTCTCC TCTTTCCCGA
151 GAAGGGATAT TAGATGCCCT CTTTGTCTC TTTGAAGAAT GCAGTCAGCC
201 TGCTCTGATG AAGATTAAGC ACGTGAGCAA CTTTGTCCGG AAGTATTCCG
251 ACACCATAGC TGAGTTACAG GAGCTCCAGC CTTGCGCAA GGACTTCGAA
301 GTCAGAAGTC TTGTAGGTTG TGGTCACTTT GCTGAAGTGC AGGTGGTAAG
351 AGAGAAAGCA ACCGGGGACA TCTATGCTAT GAAAGTGATG AAGAAGAAGG
401 CTTTATTGGC CCAGGAGCAG GTTTCATTTT TTGAGGAAGA GCGGAACATA
451 TTATCTCGAA GCACAAGCCC GTGGATCCCC CAATTACAGT ATGCCTTTCA
501 GGACAAAAAT CACCTTTATC TGGTCATGGA ATATCAGCCT GGAGGGGACT
551 TGCTGTCACT TTTGAATAGA TATGAGGACC AGTTAGATGA AAACCTGATA
601 CAGTTTTACC TAGCTGAGCT GATTTTGGCT GTTCACAGCG TTCATCTGAT
651 GGGATACGTG CATCGAGACA TCAAGCCTGA GAACATTCTC GTTGACCGCA
701 CAGGACACAT CAAGCTGGTG GATTTTGGAT CTGCCGCGAA AATGAATTCA
751 AACAAAGATG TGAATGCCAA ACTCCCGATT GGGACCCAG ATTACATGGC
801 TCCTGAAGTG CTGACTGTGA TGAACGGGGA TGAAAAAGGC ACCTACGGCC
851 TGGACTGTGA CTGGTGGTCA GTGGGCGTGA TTGCCTATGA GATGATTTAT
901 GGGAGATCCC CTTTCGCAGA GGGAACTCT GCCAGAACCT TCAATAACAT
951 TATGAATTTT CAGCGGTTTT TGAAATTTCC AGATGACCCC AAAGTGAGCA
1001 GTGACTTTCT TGATCTGATT CAAAGCTTGT TGTGCGGCCA GAAAGAGAGA
1051 CTGAAGTTTG AAGGTCTTTG CTGCCATCCT TTCTTCTCTA AAATTGACTG
1101 GAACAACATT CGTAACTCTC CTCCCCCTT CGTTCCCACC CTCAAGTCCG
1151 ACGATGACAC CTCCAATTTT GATGAACCAG AGAAGAATTC GTGGGTTTCA
1201 TCCTCTCCGT GCCAGCTGAG CCCCTCAGGC TTCTCGGGTG AAGAACTGCC
1251 GTTTGTGGGG TTTTCGTACA GCAAGGCACT GGGGATTCTT GGTAGATCTG
1301 AGTCTGTTGT GTCGGGCTG GACTCCCCTG CCAAGACTAG CTCCATGGAA
1351 AAGAAACTTC TCATCAAAAAG CAAAGAGCTA CAAGACTCTC AGGACAAGTG
1401 TCACAAGGTA TTTATTTCCG CAGCCGGCCT CCTTCCTTGC TCCAGGATCC
1451 TCCCGTCCGT ATATGCCAAG GGATCCGCC GGGGCCGCTG CTGGCTCTGA
1501 GCCGCCTGAT CCGTA

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(SEQ ID NO: 1)

FEATURES:

5'UTR: 1 - 6
Start Codon: 7
Stop Codon: 1498
3'UTR: 1501

Homologous proteins:

Top 10 BLAST Hits:

				Score	E
Sequences producing significant alignments:					(bits) value
CRA	18000005168810	/altid=gi 3599507	/def=gb AAC72822.1	(AF086...	888 0.0
CRA	18000005168811	/altid=gi 3599509	/def=gb AAC72823.1	(AF086...	850 0.0
CRA	18000005161385	/altid=gi 3360512	/def=gb AAC27932.1	(AF070...	844 0.0
CRA	18000005075416	/altid=gi 7505496	/def=pir T25808	hypotheti...	352 7e-96
CRA	89000000196974	/altid=gi 7294566	/def=gb AAF49906.1	(AE003...	347 1e-94
CRA	18000005236627	/altid=gi 5174413	/def=ref NP_006026.1	CDC4...	346 4e-94
CRA	335001098689373	/altid=gi 11433630	/def=ref XP_007257.1	CD...	346 4e-94
CRA	18000005123191	/altid=gi 7446379	/def=pir T14039	protein k...	343 3e-93
CRA	18000005057611	/altid=gi 4505831	/def=ref NP_003598.1	ser-...	342 6e-93
CRA	18000005067765	/altid=gi 7495847	/def=pir T25539	hypotheti...	340 2e-92

FIGURE 1A

Docket No.: CL001164DIV II
Serial No.: TO BE ASSIGNED
Inventors: Marion WEBSTER et al.
Title: ISOLATED HUMAN KINASE ...

EST:

Sequences producing significant alignments:

		Score	E
		(bits)	Value
gi 11292270	/dataset=dbest /taxon=96...	630	e-178
gi 11369862	/dataset=dbest /taxon=96...	615	e-173
gi 12111020	/dataset=dbest /taxon=96...	517	e-144
gi 12362084	/dataset=dbest /taxon=96...	492	e-136
gi 12349935	/dataset=dbest /taxon=96...	492	e-136

FIGURE 1B

Docket No.: CL001164DIV II
Serial No.: TO BE ASSIGNED
Inventors: Marion WEBSTER et al.
Title: ISOLATED HUMAN KINASE ...

EXPRESSION INFORMATION FOR MODULATORY USE:

gi|11292270 Brain- glioblastoma
gi|11369862 Uterus tumor
gi|12111020 Colon
gi|12362084 Nervous- normal
gi|12349935 Nervous- tumor

Tissue Expression:
Pooled tissues

FIGURE 1C

1 MLKFKYGARN PLDAGAAEPI ANRASRLNLF FQGKPPFMTQ QQMSPLSREG
51 ILDALFVLFE ECSQPALMKI KHVSNFVRKY SDTIAELQEL QPSAKDFEVR
101 SLVGCGHFAE VQVVREKATG DIYAMKVMKK KALLAQEQVS FFEERNILS
151 RSTSPWIPQL QYAFQDKNHL YLVMEYQPGG DLLSLLNRYE DQLDENLIQF
201 YLAELILAVH SVHLMGYVHR DIKPENILVD RTGHIKLVDF GSAAKMNSNK
251 MVNAKLPIGT PDYMAPEVLT VMNGDGKGTY GLDCDWWSVG VIAYEMIIYGR
301 SPFAEGTSAR TFNNIMNFQR FLKFPDDPKV SSDFLDLIQS LLCGQKERLK
351 FEGLCCHPFF SKIDWNNIRN SPPPFVPTLK SDDDTSNFDE PEKNSWVSSS
401 PCQLSPSGFS GEELPFVGFS YSKALGILGR SESVVSGLDS PAKTSSMEKK
451 LLIKSKELQD SQDKCHKVFI SAAGLLPCSR ILPSVYAKGS ARGRCWL
(SEQ ID NO:2)

FEATURES:

Functional domains and key regions:

Prosite results:

[1] PDOC00004 PS00004 CAMP_PHOSPHO_SITE
CAMP- and cGMP-dependent protein kinase phosphorylation site

78-81 RKYS

--
[2] PDOC00005 PS00005 PKC_PHOSPHO_SITE
Protein kinase C phosphorylation site

Number of matches: 5

1	93-95	SAK
2	248-250	SNK
3	308-310	SAR
4	490-492	SAR
5	378-380	TLK

[3] PDOC00006 PS00006 CK2_PHOSPHO_SITE
Casein kinase II phosphorylation site

Number of matches: 9

1	83-86	TIAE
2	93-96	SAKD
3	140-143	SFFE
4	361-364	SKID
5	381-384	SDDD
6	386-389	SNFD
7	410-413	SGEE
8	436-439	SGLD
9	445-448	SSME

[4] PDOC00008 PS00008 MYRISTYL
N-myristoylation site

Number of matches: 3

FIGURE 2A

1 50-55 GILDAL
2 474-479 GLLPCS
3 489-494 GSARGR

[5] PDOC00100 PS00107 PROTEIN_KINASE_ATP
Protein kinases ATP-binding region signature

103-126 VGCGHFAEVQVVREKATGDIYAMK

[6] PDOC00100 PS00108 PROTEIN_KINASE_ST
Serine/Threonine protein kinases active-site signature

217-229 YVHRDIKPENILV

Membrane spanning structure and domains:
Candidate membrane-spanning segments:
Helix Begin End Score Certainty
1 197 217 0.789 Putative
2 467 487 0.714 Putative

FIGURE 2B

BLAST Alignment to Top Hit:
Alignment to top blast hit:

```
>CRA|18000005168810 /altid=gi|3599507 /def=gb|AAC72822.1|
(AF086823)      rho/rac-interacting citron kinase short isoform [Mus
musculus] /org=Mus musculus /taxon=10090
/dataset=nraa
/length=494
Length = 494
```

Score = 888 bits (2270), Expect = 0.0
Identities = 432/495 (87%), Positives = 459/495 (92%)
Frame = +1

Query: 7
MLKFKYGARNPLDAGAAEPIANRASRLNLFQKGKPPFMTQQQMSPLSREGILDALFVLFE 186
MLKFKYG RNP +A A+EPIA+RASRLNLFQKGKPP MTQQQMS LSREG+LDALF LFE
Sbjct: 1 MLKFKYGVNRPPEASASEPIASRASRLNLFQKGKPLMTQQQMSALSREGMLDALFALFE 60

Query: 187 ECSQPALMKIKHVSNFVRKYSDTIAELQELQPSAKDFEVRSLVGCGHFAEVQVVREKATG 366
ECSQPALMK+KHVS+FV+KYSDTIAEL+ELQPSA+DFEVRSLVGCGHFAEVQVVREKATG
Sbjct: 61 ECSQPALMKMKHVSFVQKYSDTIAELRELQPSARDFEVRSLVGCGHFAEVQVVREKATG 120

Query: 367 DIYAMKVMKKKALLAQEQVSFFEEERNILSRSTSPWIPQLQYAFQDKNHLYLVMEYQPGG 546
D+YAMK+MKKKALLAQEQVSFFEEERNILSRSTSPWIPQLQYAFQDKN+LYLVMEYQPGG
Sbjct: 121 DVYAMKIMKKKALLAQEQVSFFEEERNILSRSTSPWIPQLQYAFQDKNHLYLVMEYQPGG 180

Query: 547 DLLSLLNRYEDQLDENLIQFYLAELILAVHSVHLMGYVHRDIKPENILVDRTHIKLVDF 726
D LSLNRYEDQLDE++IQFYLAELILAVHSVH MGYVHRDIKPENIL+DRTG IKLVDF
Sbjct: 181 DFLSLLNRYEDQLDESMIQFYLAELILAVHSVHQMGYVHRDIKPENILIDRTGEIKLVDF 240

Query: 727 GSAAKMNSNKMVNAKLPIGTPDYMAPEVLTVMNGDGKGTGLDCDWWSVGVIAYEMMYGR 906
GSAAKMNSNK V+AKLPIGTPDYMAPEVLTVMN D +GTGLDCDWWSVGVIAYEM+YG+
Sbjct: 241 GSAAKMNSNK-VDAKLPIGTPDYMAPEVLTVMNEDRRGTGLDCDWWSVGVIAYEMVYGR 299

Query: 907 SPFAEGTSARTFNNIMNFQRFLKFPDDPKVSSDFLDLIQSLLCGQKERLKFEGLCCHPFF 1086
+PF EGTSARTFNNIMNFQRFLKFPDDPKVSS+ LDL+QSLLC QKERLKFEGLCCHPFF
Sbjct: 300 TPFTEGTSARTFNNIMNFQRFLKFPDDPKVSSDLLQSLLCVQKERLKFEGLCCHPFF 359

Query: 1087 SKIDWNNIRNSPPPFVPTLKSDDDTSNFDEPEKNSWSSSPCQLSPSGFSGEELPFVGF 1266
++ DWNNIRNSPPPFVPTLKSDDDTSNFDEPEKNSW P FSGEELPFVGF
Sbjct: 360 ARTDWNNIRNSPPPFVPTLKSDDDTSNFDEPEKNSWAFILCVPAEPLAFSGEELPFVGF 419

Query: 1267 YSKALGILGRSESVVSGLDSPAKTSSMEKKLLIKSKELQDSQDKCHKVFISAAGLLPCSR 1446
YSKALG LGRSESVVS LDSPAK SSMEKKLLIKSKELQDSQDKCHKV IS AGL PCSR
Sbjct: 420 YSKALGYLGRSESVVSSLDSPAKVSSMEKKLLIKSKELQDSQDKCHKVSISTAGLRPCSR 479

QuerySIYAEGSAGGHC 494 (SEQ ID NO:4)
: 1447 ILPSVYAKGSARGRC 1491
IL S+YA+GSA G C
Sbjct: 480 ILQ

FIGURE 2C

Hmmer search results (Pfam):

Scores for sequence family classification (score includes all domains):

Model	Description	Score	E-value	N
PF00069	Eukaryotic protein kinase domain	219.4	5.5e-62	1
CE00022	CE00022 MAGUK_subfamily_d	28.0	3.5e-08	1
CE00359	E00359 bone_morphogenetic_protein_receptor	21.4	2.4e-05	1
PF00433	Protein kinase C terminal domain	15.4	0.0018	1
CE00287	CE00287 PTK_Eph_orphan_receptor	-56.4	0.00012	1
CE00292	CE00292 PTK_membrane_span	-91.3	0.0013	1
CE00291	CE00291 PTK_fgf_receptor	-110.8	0.021	1
CE00286	E00286 PTK_EGF_receptor	-122.6	0.0015	1
CE00290	CE00290 PTK_Trk_family	-180.0	0.0073	1
CE00016	CE00016 GSK_glycogen_synthase_kinase	-201.8	1.8e-05	1

FIGURE 2D

Parsed for domains:

Model	Domain	seq-f	seq-t	hmm-f	hmm-t	score	E-value
CE00359	1/1	219	269 ..	274	327 ..	21.4	2.4e-05
CE00022	1/1	218	316 ..	143	238 ..	28.0	3.5e-08
CE00292	1/1	97	341 ..	1	288 []	-91.3	0.0013
CE00290	1/1	99	341 ..	1	282 []	-180.0	0.0073
CE00286	1/1	96	341 ..	1	263 []	-122.6	0.0015
CE00291	1/1	97	341 ..	1	285 []	-110.8	0.021
CE00287	1/1	97	358 ..	1	260 []	-56.4	0.00012
PF00069	1/1	97	360 ..	1	278 []	219.4	5.5e-62
PF00433	1/1	361	390 ..	1	32 []	15.4	0.0018
CE00016	1/1	38	438 ..	1	433 []	-201.8	1.8e-05

FIGURE 2E


```
1 TACACCTAGC AATAGTCATA GAATGCACAA ATCTTCAATG TTAGCAAATA
51 ATGCCAAACT TTTTTTCAA ATTTCAAAGA GATTGTATCC ATTTACACGC
101 CTACGGGTAC TGTATAAGTG TGTGTACTTC CACATCTTCG CAAACACTGT
151 CACATCCTTT TGTGTGTGTT GTTCTCGAAT TTGAGTGTTA TTCTTTCTCA
201 CTGTGACTTT ATTTTTCATA TTTTCTGATT ATGAACGAGG TTGACAACTT
251 TCACACATTT GTTGGTCATC TGGATTTTCT TTTTGGTGAA GTGCCTGTTT
301 AAGTATCTCG TCTATAATTT ATTTTAAAGT GTCCTTTCAG ACAGTCTCAA
351 TGACTGTCAC CAACTCCTTG CAGGGCAGTC AGCCCGGAGA TAGAGTAATC
401 AAGGTAGGTT GAAGTCAAGC TCAAAACATT CGCTGCCTCA GCTGTAGCAG
451 AGGACCACTG GGCTTCCCA GGTAACAAGT ACTTCTACCT TAGCCACATG
501 AGAGAGAAAG AAGACCAGGC AGAGCAGCCT GGCTGCCTTC CTCCTTGCAG
551 GTGGCCGAGA GCAGGGGACA GCGCCCTGGC GACCTCCTCA GGGATCCTAG
601 ATTAACAGTC GCGTCCTCAA ACGCAGCATC CTGCGTAACC GCCAATTTCA
651 AACTTCCAAG ACCTGCCCTG CTGATTTTGC CCTTCCCTTT TTCCCGTTGG
701 TCGCGAGTCA AAGGAAGATG CAATTTGATT GGCTCTCCCC TTCATTTTCC
751 TCCATGCCTT TAGGGACATG GGCGGGGCCT GGCTGAGACG CCCATGTCTA
801 TCATAGGAGT GGAGACGCTG ATTTGGTCCAA ACACGGCTGA GACCCGCCCG
851 GCCTGTTTCT CGGGTTCAAA CGCGGCGGCG GGAGGCGCGG GCGGAACAG
901 ATCGCAGACC TGGGGGTTCT CAGAGCGTGA GTCTGATCCC CCAGACCCAA
951 TTCTACCGCA CCCGGCTCTG CAAGGCCAGG GGAGGGCCGC CTCCACCCAT
1001 ACAAGTCCCG GGTTTCCCTC CCGCCCCGGG GAGGGCGGCG ATTCCACCCC
1051 CAGGGCTGCG GGAGGCCTGG AGGGTCTTCC GGGGCTAGCT GTGCGCGCGC
1101 CCACCTTCCT TGGGAGCCGA GGGGTCAGCC GAGTGGTGCT GGGGCAGGAG
1151 GCTTGCTCCT CCCCTAAACC AGGCGGAGTG CTTTGTCTCT TCAGCTCTGC
1201 CTCCTGTCAG CACTAACTGC ATTATTCTGC CCAGTGTAGT CGGCCGGTTC
1251 CTTATTATCT GCGTGAACCT AGCCATTTAC TTAACCTCTC TGTTTCAGCG
1301 TATTCATACC CCGTGCCAC CCCATCACCT CATGATGCCC CCGCCTCTTT
1351 CGCTCGCTC CAGTCCGTCT GGCCTCGCTG TTGCTGGAGA GGCCAGGTCC
1401 TGCCTCAGTG CTTTTGGCTT GGCTGTTTCT TTTGCCACGG ATGTCTTTCT
1451 TTCCCCAGAT ATCAACATGG CTTGCTGGTC ATTCGCTTCA GGTCTTCAAG
1501 TCTTGGGTCA AATGGTGGCT TCTCAGTGAA GTCTTATTG ACCACACTAA
1551 AAATTGCACC ATCTACCCC CATTGTCCTT TTCTTGCTCG ATTTTGTITT
1601 TACCCCATAG CACTTAACAC CTTACAACAA GCTATATATT TTGCTTATTT
1651 CAGTCATTCA TTTAATAACT ATTCGCACCT ATTTGTGTGC CAGGCTATGT
1701 GTGCCCCCAC TGCATGGGGG CAAACATCTC TGCCCTTGTG GAGCTTCCAT
1751 TCTAAGGGGG GAGATAATAA ACACATTTAT AAGTAAGAGA GTATGTCAGA
1801 TAAGTGTATC ATCTCCTGTC ACAGTGAGTT AAAATCTGGT GTTTAATCTC
1851 CATGATTAGA CTGAGCTTCC TAAAACTGGA GTGGTAGCTG ATTTTACCT
1901 CTTGTCCCT GATATCTTGA GGGAGATCAG GATCTCTCAG GCCCTTCTG
1951 CTCAAAACAT AGGACACACT TGACTTTTCT GATATCCTTT CAGCGCCAGT
2001 GGGGAGATGT TGAAGTTCAA ATATGGAGCG CGGAATCCTT TGGATGCTGG
2051 TGCTGCTGAA CCCATTGCCA GCCGGGCCTC CAGGCTGAAT CTGTTCTTCC
2101 AGGTAACAGC CTACCCTGCC AACTTTGCTC ACCTGTGTGT GTCCTTGGAA
2151 TCTCCTTGTC ACTCACCTTT GCTTTTATTT ATTTGTTTAT TTATTTAGAG
2201 TCTCAGTCTC TCAGGCTGGA GTACAGTGGT GCAATCTCAG CTCACTGCAA
2251 CCTCCGCCTC CTGGGTTCOA GCGATTCTCC TGCCTCAGCC TCCAGAGTAG
2301 CTGGGACTAC AGCCGCCTGC CACCACACCC GGCTAAATTT TGTATTTTTC
2351 TTTTATAGTAG AGACGGGGTT TCACCATGTT GGCCAGGCTA GGGTCGAACT
2401 CCTGACCTCA AGTGATCCAC CTGCCTTGGC CTCCTAAAGT GCTGGGATTA
2451 CAGGCATGAA CCGTGCCACG CTTGCTTTTA TTATAGGACC AGGGATAATA
2501 TTTTAGGGGA AATTCTGTTT TGTTTTGTTT GAAACAAGGT CTTCTGTCGA
2551 TCTTAGGCCT GTGCCACCAT GCCTGGCTAA TTTTAAATT TTTTGTAGG
2601 ATGGGGTCTC ACTGTGTTGC CCAGGCTGAT ATAGAACACC TGACTTCAAG
```

FIGURE 3A

2651	TGAGCCTCTT	GCCTTGGCCT	CCCAAAGCAC	TGGGGTTATA	GGTGTGAGCC
2701	ACTGCACCTG	GCCCTCTATT	TAGAGTTTTA	TATGCACTGA	TTCTTTTGGA
2751	AAAAAGACAC	TGTGCAGAA	TAGATAGCTG	AACTTGCCTT	AGAAGGGAGA
2801	TCTTTTCATA	TTTCTCACAC	TTTACACTTC	TGTACTAAAG	TTTATTCATT
2851	CATTGATTGA	TTGGTTGCTT	GCAAGACAGG	GTCTTGCTCT	GTGGCTCAGG
2901	CTGGAGTGCA	TTGGCACAAT	CACGGCTTAC	TGCAGCCTTG	ACCTCCTGGG
2951	CTCAAACGAT	CCTCCCACTT	CAGCTTCCTG	AGTAGCTGGG	ACCACAGGTG
3001	TGTGCCACCA	TACCTGGCTA	ATTTTTGTAT	TTTTTGTAGA	GATGAGGTTT
3051	CACCATGTTG	CCCAGGCAGG	TCTCGAATTC	CTGGGCTCAA	GTGATCTACT
3101	TGTCACAGCT	TCTGCAAGTG	TTGGGCTTAC	AGGCATAAGC	CCCTGTACCA
3151	GGGCAAGTTT	GTCCTTTTAT	TGAAGAAAGA	AAAATAAATG	AACAAAGATG
3201	CTTTTTAAAA	CTACAATTTT	TGTGGGTATA	ATCCTATTCA	TTTTCATTGC
3251	AGGGATGTTT	ATTTTTTAAG	ATTTTTTTTT	TTTTTTTTTG	AGACAGAGTC
3301	TTCTGCTGTCG	CCCAGGCTGG	AGTGCAGTGG	CGCGATCTCG	GCTCACTGCA
3351	GGCTCTGCC	CCCGGGGTTT	ACGCCATTCT	CCTGCCTCAG	CCTCCCACGT
3401	AGCTGGGACT	ACAGGCGCCC	GTCACCTCGC	CCGGCTAATT	TTTTGTATTT
3451	TTAGTAGAGA	CGGGGTTTCA	CTGTGTTAGC	CAGGATGGTA	TTTTTTAAGA
3501	TTTTAAAAAA	AGTTTTGATG	AATACCACAC	CTGTTTAACC	CTCATTCCTC
3551	TCAAGATACA	CATTTCTGTC	ACCCAGATG	CGTTAAAACT	TAATATCATA
3601	AGATTACTTC	CAAATAGATT	TTTAATTCTT	TTGTTTCTGA	TGTATGTGGA
3651	ACACTGGTGA	AGTAGAAATC	CTTGTTTGAT	TTATGTATTC	GTAAGTCAGG
3701	GGGACAATAG	AGACCATGAA	GATTTAGAAT	TGAATCCCAG	TCCCAGCACT
3751	AGTTAGCTGC	ATTACTTTGG	GTGAGTCAGT	TACCTTTTCT	GAGTCCATTT
3801	GCTATTCTTT	AAAATAGGTT	GTAGCCTGTA	ATGCCAGTAT	TTTCGGAGGC
3851	TGAGGCGGGC	GGATTACTTG	AGGTCACGGG	TTCGAGACCA	GCCTGGACAA
3901	CGTGGTGAAA	CCCTGTCTCT	ACTAAAAATA	TAGAAAATTA	GCTGGGCATG
3951	GTGGTCGCAT	GTACCTGTAA	TCCCAGCTAC	TTGAAAAGCT	GAAGCAGGAG
4001	AATCATTTGA	ACCCGGGAGG	CGGAGGTTGT	CGTGAGCCGA	GATGGTGCAC
4051	TGGCACTCCAG	CCTGGGCGAC	AGAGTGGGTA	AGACTCCATC	TCAAAAACAAA
4101	ACAAAACAAA	AGAAAACAAA	AAAAATAACA	TAGAGGTTGT	AGTACCTAAT
4151	CCACAGGGTT	GTTGTGAGGA	TTAGATGAGA	TATTCGATTT	AAAGCACTTA
4201	GCACCTTGCC	TGGCTCTTAG	TAAACTCCTT	ATAAAAAATG	GTAATTATTG
4251	TTAATACTCA	GCATAGAATA	GTATTAGTTA	TAATATTAAT	ACTAAATTTG
4301	TTTCCTTAAT	AGTAATTATA	TTTGGAAGG	TAGTTATGTA	GGATACCTGT
4351	AAGATGATGA	ATGATGAAGT	ATTCTTGATA	ACTTTTTTTT	TTTTTCCAAA
4401	ATATTGGTAT	TGGGTGTTTA	AACAGATGAG	AGTGGAACA	AATTGAAAGC
4451	TTAGGTTTTT	CTGTGGGACC	ATCCCCATCA	GCATTTTAAG	TCTTGACATA
4501	TCTTTCACAA	ATGAATAGTC	TGTCTTTAAC	CTTAGATGGC	TGGAGTGCTG
4551	CCACGTTTCA	GCCCCTTTAT	CATGCTACTT	TAAAAATATCT	CCAATTGCT
4601	GGGCGTGGTG	GCTCACGCCT	GTAATCCTAG	CAATTTGGGA	GGCTGAGGTG
4651	GGTGGATTGC	TTGAGGTCAG	GAGTTCGAGA	GCAGCCCGGG	CAACATGGTG
4701	AGCCCCTCCG	TTTCTACTAA	AAACACAAAA	AATAGCTGAC	TGTGATGGTG
4751	TGTGCCTGTA	GTCCCAGCTA	CTCGGGAGGC	TGAGGCAGGA	GGATCACTTG
4801	AGCCCTAGAG	GCAGAGGTTG	CAGTGAGCTA	AGATTGTGCC	ACTGCACTTC
4851	AGCACTTCAG	CCTAGGCGAC	AGAGCAAGAC	CCTGTAAATT	AAAAAAAAAA
4901	AAAAAAGAA	AAGGAAAAAA	ATTTCCAAT	TATTAAGGGC	TTATAGTGTG
4951	CTGATTATGT	AATAGTTATG	GCTTCCAATG	TGTCTGGCAT	AGAACTGGCA
5001	TGTTTCTGAG	TATCTCACTT	CAGCCTCATG	ACAGAGGTAA	GGACTATTTT
5051	TAATTTAAAC	TTTAAATAGG	AGGCAACAGG	CCAGGTGTGG	TGGCTCACAC
5101	CTGTAATCCC	AGTACTTTGG	GAGGCTGAGG	CAGGTGGATT	GCTTGAGTCC
5151	AAGAGTTCAA	GACTAGCCTG	GGCAAAATGG	TGAAACCCCA	TCTCTACAAA
5201	AAATATAAAT	AATTAGTCAG	GCATGGCGGT	GTGTGCCTGT	AGTCCCAGCT
5251	ACTCAGGAGG	CTGAGGTGGG	GGCATCTCTG	GGGCCCCGGA	GGCAGAGGTT

FIGURE 3B

5301	GTAGTGAGTT	GAGATTGCAA	CACTGCACTC	CAGCCTGGGC	AACAGAACGA
5351	GACCCTGTTT	CTAAATAAAT	ACATAAATAG	GAGGCAACAG	ATATAGACAG
5401	ATATGGAGGT	AGGTAAGGCC	TTGCCCAAGA	TCATACACGT	TGGGTTTTGC
5451	AGATGAGGCC	AAGATCAGAC	TCCATCTTTG	GTTGGTCTGA	CTCCAAAGGC
5501	TGACCACATA	GCCATTGGGC	CACAGCACCT	GTGCACGTCA	GAATTTATTA
5551	AGTATATCTT	GTATTTAGTC	ATTATAACAG	GAAGACTTAT	GGGTAAACCC
5601	TCAGTTCATC	TCTTTTAAAT	GCTGAGATCC	CCCTGCCCAG	TAAAGCTATT
5651	ATTGCAAGTA	TAGTATATAC	CTATCATTTG	CCTTGAGTTA	TCAGGTAAGG
5701	ATGCTGTTTG	TTCTTTTCCC	ATATAGTGCT	GTTTGAATGA	GGTTGAGATA
5751	CAGTAGCAAT	TTTGTTTTC	ATTCAGGTGA	GTACCTTAGA	CTGAGTGTCA
5801	TTTTGTCTTT	TTTACTTCTA	CTCAACAGGA	TTTCCTGACA	TGTTGAGGT
5851	CAGTGATTGT	CAGACTTTCT	GAGCCAGCAA	AATTTCCCAA	ATTGCTGGGT
5901	AGACACAGGT	TTTCCAACCT	TTTATTTTGC	CAAGTAAGGA	TATATAAAAA
5951	AAAAATAAAA	AGAAAGACCT	ATTATTTTCT	GGCCCTTGTA	TTTCATAAAG
6001	GGCATTITTA	GAAACAACAA	GACAGGAAGA	ACATCATCTC	AGAATAAAGG
6051	ACCATTTTAA	AATTTGAATA	CATTTAGTTT	TATAAAAAAG	ATATCATGTG
6101	GTGTTCAATT	TTTCTCATTT	CACTGCAGGC	TGTTGAAAAC	TTTGTTAAGA
6151	ACCAGTACTA	TATTTGGGAA	CCCTGCTTTT	AATTGATCTA	AACTCTTGAA
6201	GAATAGAAGA	AACAAAGCAT	TTTATTTTTC	TGAGTTACTG	GCAACTATTA
6251	CTAAAGTGAC	AGATATGGTG	GCCTTGAATG	CAGTGCTTCC	CAAACCTGAT
6301	TGAGGTCTGA	CTCTCTTGGG	GACCAGGGTC	TCATTCTGTT	GCCCAGGCTG
6351	GAGTGTGGCA	GCACAATCTT	GGCTCACTGC	AGCCTTTACT	TCTTGGGCTC
6401	AAGTGATCCT	TCTACCTCAG	TCTCACAAGT	GGCTAGGACT	ACAGGACCAT
6451	GGCACTACAC	CTGGCTAATT	TTTTTTTGTG	TGTTTGTAGA	GATGGGATCT
6501	CGCTGTGTTG	CCCTGGCTGG	TCTTGAAGTC	CTGGGCTCAA	GTGATCCTCC
6551	CACCTTGGCC	TCCCAAAGTG	CTAGTATTCC	AGGTGTGAGC	CACCTCTCCC
6601	TGCTGGGGAA	CTTGTTAATA	AAACAGATTC	TAGGCTACAG	TCTGGAAAAT
6651	TCTAATTCAT	TTGGTTGTGG	GGGAGGGGGG	CATAGGACCA	GAGAATGTGT
6701	TTGTTTGTG	GTTTGTGTTT	CTTAAATTC	CCAGTGCTGT	TGTGATTCAA
6751	ATGCAGCCGG	TCTGTTTCTG	TCTCAAGTGT	CTGTGTAACA	AAGCACTCAC
6801	AAAGTTTAAA	GCAACAATGA	TTTATTTTTC	CTTAGGATTC	TGTGGGTTGG
6851	CTGGACTCAG	CTAGGTAGTT	CTGCTTCATC	CTGTGATGTC	AGCTGGGGTC
6901	ACTTGTGGGG	CTACATTCAG	CTGGGATTAT	GTCTGGGACT	GGAACATGTG
6951	GGTGCTGACT	GCTGGCTGGG	GCACCTTAGT	GTTTCTCACA	TGGCCTCTCT
7001	TCTCCATGAG	GTCTTTCAGT	AGTATAGCCC	AGGACTCGTA	ACTTTTTTTT
7051	TTTTTTTAA	ACAGACTGTC	GCCCTGTCGC	CCAGGCTGGA	GTGCAGTGGC
7101	ACGATCTCTG	CTCACTGCAA	CCTCCGCCTC	CTGGGTTCAA	GCAATTCTCC
7151	TGCCCCAGCC	TCCCGAGTAG	CTGGGATTAC	AGGCACGTGC	CTCCACGCCC
7201	GGCTAATGTT	TGCATTTTAA	GTAGAGATGG	GGTTTCACCA	CGTTGGTCAG
7251	GCTGGTCTCG	AACTTCTGAC	CTCGCGATCC	GCCTGCCTCG	GCCTCCCAAA
7301	GTGTTGGAAT	TACAGGTGTG	AGCCAAGTGA	CCTGGCTGAC	TCGTAACTTT
7351	TTTTGTAAAG	AATAAATATT	TTAGGCTTTG	TGGGTCCTGT	AGTCTCTGTT
7401	GCAACCACTC	AACTTGGCCA	TGGTAGCACA	AAAGCAGCTA	AAGACAATAT
7451	GTAAATGATG	GGTGTAGCTG	TGTTCCAGTA	AAACTTATAA	AAAGTCCGTG
7501	GGCTGGATTT	GGTCCAAGGG	CTACAGATTG	CACACCCCTG	GTCTAGCCCA
7551	AGCATCTGTG	CATGGTGGCT	GGCTTCCCAA	AAGTGGAAGC	TGCTAAGCTG
7601	CCTTTTTTTT	TTTTTTTTTT	TTTTTTTGAGA	GGGAGTCTCA	CTGTGTTGCC
7651	TAGGCTGGAG	TGCGGTGGTG	TGATCTCGGC	TCACTGCAAC	CTCCATCTCC
7701	CGGGTGCAGG	CAATTCTCAT	GCCTCAACCT	CCCAGGTAGC	TGGGATTACG
7751	GGTGCCTACC	ACCACGCCTG	GCTAATTTT	GTATTTTGGT	AGAGACAGGG
7801	TTTCACCATG	TTGGCCAGGC	TGGTCTCAAA	CTCCTGACCT	CAAGTGATCC
7851	ACCCGTCTTG	GCCTCCCAAA	GTGCTGGGAT	TACAGATGTG	AGCCACCGTG
7901	TCTGGCCGCT	TGACAAGCTT	CTTAAAGGCA	CTGCCCTGAA	CTGGCACAGT

FIGURE 3C

7951	GTCAC TTGTG	TCACATTCTT	TTGGTTGAAG	AGAGTCTCAG	AGATGGCACA
8001	GATTCAAAGG	CAGGAGAAAT	AGACTCCAGC	GCTTAAAGTA	AGGAGTAGCA
8051	TGTGCCTACA	GAATTGGAGG	AACTGTTGGA	GGCCATCTTT	GAAGAGAGAC
8101	CACCACTATC	CATGGCTTGG	CACGTGGGAA	TCAGTCTCT	ATACCAGGGT
8151	TGCAGACTCA	TGTCTTTGGG	GGCCAGGCAG	TGAGTATAAA	TGAGTCAAGT
8201	GGGCCAGTTG	GAAGATGGAG	TCAGACCTGC	AGTGAACCTC	CAAACACATC
8251	TGCTACCGGG	AGGGGCAGCA	TTACTCAGCT	CCAGCTCAGC	GTCATCAGGC
8301	AGGAAGGCGA	GGCAGTGTTG	CCGGATGTGC	CAGTGTTTCA	AAAGAAGCCA
8351	GAGACTCCAT	TTTTATTTTT	TTGTATGGAA	TCTCCTGATT	TTGAAATATT
8401	GGCAGATAAT	TCAAATTATC	TTAAACACTA	CAGGCCAAAC	AAAACATATC
8451	TGTGGGCTAG	AGACAGTCTG	CCAGTTTGTA	ACTATTTCTC	CAGATCATGA
8501	GTAAATTTGG	CTTTACGATG	GTCACTCAGT	TCTTATTACT	CTAGGTTGTT
8551	CAAATGAATT	AAAAAAGCTG	AAATTATATG	AATAAACCCC	TGGGCACACA
8601	TGAAAGAAGT	GAAAAACCCA	TTGTTTCCTA	TTGTAGAAAC	ATGGAAGCAT
8651	GTCAGAGCCA	GAGGATCCAG	AGGAAATATT	CTCACTAGCC	TCAGACCCTC
8701	AGGAGTGAGG	GAGCTTTTCT	TGTTAATGGC	CACGCTTGTG	CAGTTTTCTT
8751	TCCCAGGTGC	TGGTGAAAGA	AACCCACAGT	CTTGGAATCA	TGGAAGTGAT
8801	ACCATAATGA	CTGTCAGTTG	ACGTTGCTTT	AAAGAATGAA	GCCACAGAAT
8851	TGTGCTGTTA	GCATGTCGTG	AGCAGTTAGT	TGAGTTGGTG	GCTTGTAATT
8901	TACTCTGTGT	GGATGTTATT	GATCAAAGCT	TTTCATTATT	GACAGTGTCT
8951	CCATCTGCTG	TTTGCTGTTT	TTAGGGGAAA	CCACCCTTTA	TGACTCAACA
9001	GCAGATGTCT	CCTCTTTCCC	GAGAAGGGAT	ATTAGATGCC	CTCTTTGTTC
9051	TCTTTGAAGA	ATGCAGTCAG	CCTGCTCTGA	TGAAGATTAA	GCACGTGAGC
9101	AACTTTGTCC	CGGAAGTGTA	AGTTTGGGGA	ACTTTTTCTT	GAAAACGTGC
9151	CTGAGAGAGA	AAAAC TAGAA	AGATGCTTGA	GGCAGAAATGA	GTTACTGGTT
9201	GATAGTAGTC	GGTAAGAACT	CTGGTTCTAT	ATAAGACAGA	TCCAGGTTCA
9251	AATTCAGGCT	GCACCTCTTA	TAGCTGGGAG	ACCAGGTAAG	TTGGGCTTCT
9301	TGGTTGCAAG	CGACAAACTT	AATTCAAAGA	CTGAATTTAG	GCCAGGTGCA
9351	ATGGCTCATA	CCTATAATCT	CAGCCCTTTG	GGAAGCTGAG	GTGGGTGAAT
9401	CGCTTGAGCC	CAGGAGTTCA	AGACCAGCTT	GGGCAACATG	GTGAAACCCC
9451	ATCTCTACAA	AAAATACAAA	AATTAGCTGG	GTATGGTGGC	TTGCACCCGT
9501	GGTCCCAGCT	GCTGAGGAGG	CTGAGGTGGG	AGGATCACTG	GAGCCC GGGA
9551	GGTTGAGGCT	CAATGAGCTG	TGATTGTGCC	ATTGCACTCC	AGTCTGGGTG
9601	ACAGAGTGAG	ACCCTGTGTG	AATAAAAGAG	TGAATTTATT	GGCTCATGAA
9651	ACTGAGAAAT	CCAGGAATGA	GTAAAGTTTT	AGCTTTAGGC	ATAGCTAGTT
9701	CCAGAGACCT	CAATAATATC	CCGTGGCCCT	GTCCTTATAC	TCACTCAGGG
9751	CTGACTTTCT	ATTAGGCAGA	GTAGGCACGG	TGCTTAGGAT	CTGTGATATT
9801	TAATTTTAAT	GAATTTAATT	ACTTTTAATT	AACTGAATTA	AATTTTAATT
9851	TGTTTTAAAA	TTATAGGAAA	AATGAATATA	ATAATGTATA	ATGATTCTGG
9901	ATTACATTCA	TCTTTATACT	AATGTAGTCA	TAAAATATAA	TTTTTGTTTT
9951	TTTTGGAGAC	AGAGTCTTGC	CCTATTACCC	AGGCTGGATT	GCAGTGGTAT
10001	ATCATGGCTC	ACTGCAGTTT	CAACCTTCTA	GGCTCAAGCA	ATCCTTCCAC
10051	CCCAGTGGCT	GGGACTACAG	GCTCACACTA	CCACGCCCCAG	CTAATTTTTG
10101	CTTTTTTCTC	TGTAGAGATA	GGGTCTTACT	ATGTTACCCA	GGCTGGTTTC
10151	AAACTCCAGG	CTTGAAGCAG	TCTTCCTGCC	TCAGCCTCCC	AAAGCTTTGG
10201	GATTACAGGT	GTGAGCCACC	ATGCCTGGCC	CCATAAAATA	TAATTTTTGA
10251	ATTCTTTTTT	GTTTTTAATG	GAGGAAGGGG	CTGAGGAAGG	CAAAAGTACC
10301	TAGGGCCTAT	GAAGTCATAT	ATTGGCCTTG	CCTTCACCCT	GTTTCTGACT
10351	TTGCTTGACT	TCCATGTGAT	GAGGCAGTTG	GCTGTTAGTG	TCCCAGTTTC
10401	ATACTCTTAC	ATTAGTGTTT	TTCAACCAGT	GGGTGATTTG	ACGTTTTCGG
10451	TTGTCAGAGC	TAGTTGGGGG	TGGTGGTGTG	TGAGTTTGGG	GGGAAGGGTC
10501	CTACTGTCAG	TTAATGGGTG	AGGCCAGAGA	TGCCACCAAA	CACCTTACAG
10551	TGCACAAAGC	AGCCCCCATA	ACACAGAATT	ATGTAGCCCA	CAATGCCAAC

FIGURE 3D

10601	AGTGCTGAAT	TTGAGAAACC	CCACCTTGTA	CAACATTGCT	GTGCAACCAA
10651	CCACCCTAAA	TATTACTGAC	TTAAAACAAT	AGTCACTGTG	GCTGGGCGCG
10701	GTGGCTCATG	CGTGTAAGCC	CAGCGCTTTG	GGAGGCTGAG	GCGGCGGATC
10751	ACTTGAGGTC	AGGAGTTCCA	GACCAGCCTG	GCCAACATGG	TGAAACCTTG
10801	TCTCTACTAA	AAATACAAGA	ATTAGCTGAA	TGTGGCAGCG	GGCGCCTGTA
10851	ATCCCAGCCA	TTTGGGAGGC	AGAGGCAGGA	GAATCGCTTG	AACCTGGGAG
10901	GTGGAGGTTG	CAGTGAGCCA	AGATCTCACC	ATTGCACTCC	AGCTTGGGCA
10951	ATGAGTGAGA	CTCTGTCTTA	AAAAAAAAAA	AAAGTTATTG	TATTACCTCT
11001	TGTGTGTGTA	GGTTAATTGG	ACTCAGCTGG	GGATTCTCT	GCTCTGTATT
11051	ACATTGGCCA	GGATTGCAGT	CACCTGGGGC	TCTCCTGGGC	TGGAATGTGT
11101	GAGAGGGCTT	ACTCAGTGTT	TGGTGCCCTG	GCTTGGAGGC	TGGGCCCAGC
11151	TGGGCCTCTC	TCTCTTCATG	AAGTTTCAGG	GCCTTTTGCT	GTCCACATGG
11201	CACCTCTATG	TGGTCTCCAA	ATCAGAAAGT	AAGGAACTAC	AGCCTGTGAT
11251	GCCTATTTTG	TAAAGAAGGT	TTTACTGGAA	CACAGCCCTA	CCCATGTGTT
11301	TGTACAGTGC	CTATGGCTGC	TTTCACATCA	TAACAGCATT	TTATTTTCATT
11351	TTATTTATTT	TTTTTTGAGA	CAAAGTCTCA	CTCTGGCTGG	AGTGCAGCAG
11401	CACAATCATA	GCTCACTGCA	GCCTCCAAC	CTTGGGCTCA	AGCAATCCTC
11451	CTGTCTCAGC	CTCCTCAGTA	GCTAGTACTA	CAGGCCCATG	CCACCACTAA
11501	TGGCTAATTT	TTTAATTTTG	TGTAGAGATG	GGACCTTG TG	AGATTGCCTA
11551	GGCTGGTCTT	GAACCTCTGG	CCTCAAGAAA	TCCTCCCACC	TTGGCCTCCC
11601	AAAATGCTTG	GATTACAGGC	ATGAGCCACT	GTGCCCAGCC	CACAACAGCA
11651	TTTGAGTAGT	TGTGATAGAG	ACCAAATGGC	CTACAAAGCC	CAAAATAGTT
11701	CCTGTTTG GC	CCATTTTCGAA	AAGGCTTGCT	GACCTCTGAG	CTACATGGTC
11751	TCTCTAGCAG	GACAGCCTCG	ACGGTAGCTC	AGGTTTCCAA	AACACAAAAG
11801	TGGAAGCTGC	CAGGCTTTCT	TAGGGGTTAT	CCTAGGAGGG	ACATAGGATC
11851	TCTTTGACTG	CATTTTATTG	TTTGATGCAT	GCTCTGGGGC	TGCTCAAATT
11901	CCACCTGAGA	GGAAACTACA	CAAGGTCATG	AATCCCAAGA	GGACTGGGGC
11951	ATTGGGTGCT	ATTTTGGGAG	ACTGGCTACC	ACACCCTGCC	CAATGGTAAT
12001	CTTCCCTTAT	CTAGATTAAT	ACAACCCAG	GGAAGATTCT	AACCTGGCTC
12051	TGCTTTGGGT	CATTTGCCTC	CCTGGAGGTG	AGGTGTTGTG	ATCGGTTTTG
12101	TTGGAATGCC	CAAAGGGGTC	AGGGCAGTGT	GATTACCAGG	ACCTCATGGA
12151	ATGGGGGATG	CGTGGTTATG	CAAAGGAGCC	GGGGATGCTG	GGTAGAAAAA
12201	AAATCAGCAT	ATGTTCACTA	TAGTGCTCTT	CAGTATTTTA	CATGTACTTT
12251	GTTCTCAGTT	TTCTCATCTG	TAAATAGGA	ATAATGTATA	TCCTTTTTTT
12301	TTTTTTTTTT	TTGGAGTCTT	GCTCTGTTGT	CCAGGCTGGA	GTACAGTGGC
12351	ACAATCTCAG	CTCACTGCAA	CCTCCGCATC	CCGGGTTCAA	GTGATTCTCC
12401	TGCCTCAGCC	TCCTCAGTAG	CTGGGACTAC	AGGCGTGCAC	CACCACACTC
12451	AGCTAGTTTT	TGTATTTTTA	GTAGAGATGG	GGTTTCGCCA	TGTTGGCCAG
12501	GCTGGTCTCA	AACTCCTGAC	CTCAAGTGAT	CTGCCTGCCT	CGGCCTCCGA
12551	AAGTGCTGGA	ATTACAGGCA	TGAGCCACCA	CGCCCATTGG	GAATAATGTA
12601	TATCTAATGA	GGCTGTGTTG	GAATTGAATG	AGTTAATGCA	CAGACCAGAT
12651	TTGTCATGTT	GCCTGGCCCA	TAGGAGACAA	TAAATGGTAC	CCAGTATTAA
12701	TAACTGTGAA	TGTCAACAAC	ATTTAATATA	TTGTATATCT	TCAAAATGTA
12751	CTTGAGGTAT	TTGTTTCATCA	TTCTGTTTTT	GTTTGAATAA	GCTCGTGCCT
12801	TCTTTTTGTG	AATATTTAAA	TTTATAAGTA	GCGAGTGGGA	GGGGAAGGAA
12851	GTTATGTGAT	GAGGCTAGCT	TACTGAGCCA	TCTGCAGGCA	CCTTCATTAG
12901	TCTTGAGACT	GTCCTCTGGT	TACTTAACAG	CAGTGAATTA	TCTAGAATCA
12951	TTTAGTGATC	AGAAGACTTG	GTTTAGTGGA	ATGTAGATTT	TTTTCTAATA
13001	GACCCCTCTT	CCAGGGAAAT	GTTTCATATT	TTTGAAGAGG	TTTCCTGGGG
13051	AGTGTTTAA	AGGCCATGAT	TGAAAATGGG	TGATTACATT	AGTGTGTTTT
13101	CTATTCCCTC	CCTTTTTGAG	TTTCTGTTTT	GGAATGTAAG	CTTTGTTTTT
13151	TACGTGGAG	AAGGGTCCCT	CAGCTGCTTC	TGCCCAGGTT	TTTTGAATCT
13201	TCCTATAGGG	ATGGAGATTT	TCTTTGGGGA	CTGTTAGAGA	AAATGGAATA

FIGURE 3E

13251	GAGTGTAGCT	CTGAAGGAGA	AGGATGTCTC	CAGCAGAAGT	ACCTCTAGCC
13301	TTGGGCCAAG	GGAGGGGAAGG	GAAGGGGAACG	AGCATCTGGG	AACCAGGGGAA
13351	GGGATTTTTG	TCTTTCTTAA	TTACTCTTAC	ATCCCCAGTG	CCCAAAATAG
13401	TGTCTGGCAT	ATGTTAAGTC	CTTAGTAAAT	ACTTGTTGAA	TGAGTGTATG
13451	CTCAGTGAAC	AAAATAAATG	GCAAACATTA	AGCACAGTAT	CAGATAATTT
13501	GTGTAAAAAA	TATACAGCAG	TGTTATACTA	AAACTTGCAC	AGAGGCCAGG
13551	TGCAGTGGCT	CACGCCTGTA	ATCCCAGCAC	TGGGAGGCCG	AGGTGGGCAG
13601	ATCTTTGAGC	TCAGGAGTTT	GAGACCAACC	TGGGCAACAT	GCTGAAACCC
13651	TGTCTATACA	AAAAATACAA	AAAGTAGCTG	GGGCATGGGG	ACGCACATCT
13701	GTGGTCCCAG	CTACTTGGGA	GGCTGAGGCT	GGAGTAATTG	CTTGAAGCTG
13751	GGAGGTGGAG	GTTGCAGTAA	GCCAAGATTG	TGCCACTGCA	CCCCAGCCTG
13801	GGTGACAGAG	TAAGACCCTG	TCTCAAAACA	CAAAACAACA	CCCCCTTCAA
13851	AAAAAATCCA	AAACCACCAC	CACAACAAAA	AAACTTACAC	AGAAAAGTGT
13901	TGATAATTGT	CAAAATTGGG	CTGTTATTGG	CAATTTGACA	GTAGCTGAAT
13951	TACTACCATT	TGAGCTATAT	TCACTATAGA	TAAGATCTTC	AATATATTTA
14001	CAACTTTAGT	ACTAATGGGA	AAATGATAAC	TTTTGAAAAG	TTTTTTTTTT
14051	TTCTTATTGC	AAACAATACA	CAATACAATG	TTAAATATAG	AAGGTTAAAC
14101	GTGCATCTGA	GTCTGTTTGG	GCTGCGATAA	TAGATACCTT	AGACTTGGCA
14151	ATTTATAAAC	AATAGAAATT	CATTGCTGAC	AGTTGTGAAG	ACTGGGAAGT
14201	CCAAGATCAA	GGCGCCAGCG	AATCTGGTAT	CTGGTGATGG	CTCCCTGCTT
14251	CAAAAATGGC	GCCTTCTTGC	TGCATCTTCA	CCTGGCAGAA	GGGGCAAACA
14301	TGAGTCCTTC	AGCTTCTTTT	TTTTTTTTTT	TCTATGTTTA	AAACTTTTGG
14351	TCCGGCGTGG	TGGCTCATGC	CTGTAATCCT	AGCACTTTGG	GAGGCCGAGG
14401	CAGGTGCATC	ATGAGGTCAA	GAGATCGAGA	CCATCCTGGC	CAACATGGTG
14451	AAACCCCCCC	GTCTCTATAC	TAAAAATACA	AAAATTAGCC	AGGCATGGTG
14501	GCGTGTGCTT	GTAGTCCCAG	CTACTCAGGA	GGCTGAGGCA	GGAGAATTGC
14551	TTGAACCTGG	GAGGCAGAGG	TTGCAGTGAG	CCAAGATTGC	GCCACTGCAC
14601	TCCAGCTGGG	CAACAGAGTA	AGACTCCGTC	TCAAAACAAA	CAAAACAAAA
14651	AAACAAAAAA	AAACTTTTAT	TTTAGGTTCA	TGGGTAAATG	TACAGGTTTG
14701	TTATGTAGGT	AAACTTGTCT	TGGGGTTTGT	TATAGATTAT	TTCGTCACCC
14751	AGGTACTAAG	CCTAGTAACC	AATAGTTATT	TTTTTCAGATT	GTCCTCCCTC
14801	CTCCCACCCT	CTGTCCTCTA	GTAGGCTCCA	ATGTCTGTTG	TTCCCTTCTT
14851	AGTGTCCCTG	TGTTCTCATC	CTTTAGCTCC	CATTTATATG	TGAGAACATG
14901	TGGTATTTGG	TTTTCTGTTC	CTGCATTAGT	TTGCTAAGGA	TAATGTCAGC
14951	CTCTTTTTTT	TTTTTTTTTT	TTTTTTTGGT	ACAGAGTCTC	GCTCTGTTGC
15001	CCAGGTTGGA	GTGCAGTGGT	GCGATCTTGG	CTCACTGCAA	CCTCTGCCTC
15051	CCGGGTTCAA	GTGATTCTCT	TGCCTTAGCC	TCCTGAGTAG	CTGGGACTAC
15101	AGGTGCGCAC	CACCATGCCA	GGCTAATTTT	TGTATTTTAG	TAGAGATAGG
15151	GTTTCACCAT	GCTGGCCACG	CTGGTCTCCA	ACTCTTGACC	TTGTGATCCG
15201	CCGGCCTCGT	CTTTTCCCA	AAGTGCTGAG	ATTACAGGTG	TGAGTCACTG
15251	CACCCGGCCC	AATGTCAGCC	TCTTTTTTAG	GGAAGTGATT	TAATCACTTC
15301	CCTAAAGTCT	CTACCTCGTT	TTTTTTTTTT	GTTTTTCTT	TTTTTTTTTT
15351	TTTTTTTTTT	TTTTTTTTTT	GGTAGAGTCT	TGCTCTGTCA	CCCAGGCTGG
15401	AGTGCAGTGG	TGCGATCTTG	GCTCACTGCA	ACCTCCACCT	CCTGAGTTCA
15451	AGCAATTCTC	CTGCCTCAGC	CTCCTGAGTA	GCTGGGATTA	TAGGTGCCTG
15501	CCACCACGCC	TGGCTAATTT	TTTTGTATTT	TTAGTAGAGT	TGGGGTTTCA
15551	CCATGTTGGC	CAGGCTGGTC	TTGAACTCCT	GACCTCAAGT	GATCTGCCCA
15601	AAATGCTGGG	ATTACAGGCG	GGAGCCACTG	TGGCCAGCCC	CTGCAAGTCC
15651	TACCTCTTAA	TAGTATTACA	CTGGGGATTA	CATTTCAACA	TGAATTTTGT
15701	AGGGGCGAGG	GGCACAAACG	TTTAGAATAT	AGCACATCAC	ATACATAGTG
15751	AGAGAAAAAT	CCCTCAAAAT	CTTACCTGAG	ACAATCACTG	CCAACAGATT
15801	GCTGTATAGT	GTGCCAATTT	TGTTTGTGTG	TGTGTGTGCC	TTAAAAATAT
15851	TTATTATGGA	AATTTAAAAA	CGTACCCCAA	GGTGGCCAGG	TGTAGGGCTC

FIGURE 3F

15901	ACGCCTGTAA	TCCTGGCACT	TTGGGAGCCC	GAGGTGGGTG	TATTA	CTTGA
15951	GGTCAGGAGT	TTGAGACCAG	CCTGGCCAAA	ATGGTGATAC	CAGTCTC	CTA
16001	AAAATACAAA	AATTAGCCGG	GTGTGGTGGG	CACCTGTAGT	TCCAGCT	ACT
16051	CGGGAGACCA	AGTCATGAGA	ATTGCTTGAA	CCCTGGAGGC	AGAGGTT	GCA
16101	GTGAGCCAAG	ACCATGCCAC	TGCATCCAG	CCAGGGTGAC	AGAGTGAG	AC
16151	TCCATCCTAG	TAAACAAACA	AACAAACAAA	CAAACCAACT	AACCAACC	AG
16201	GATAAAACTC	CCTGTCTGTA	AGGAGTATGT	GTTCTAATGG	ATACTGAG	CC
16251	ATCTTGTTCT	GTTTAACATG	TGCCTAATGT	TCTTTTATAT	GGGCGGAC	TT
16301	GTAGGTTGTT	TCAACTTTTC	TGTTGATGAA	CCTTTAGGTG	GTTTCTGAT	T
16351	ATTTTTGTGT	TACAACAGTT	TTCATCATTC	ACATCTTTGT	ATGCATCT	TT
16401	TTTGAGCACA	TGTGCAAGTA	TTTCTGTGGA	CAATGGATGA	TTCCTAGAAA	
16451	TTGAAAGTTT	GGATTACTGT	GTTCCAAAAA	AGGAAGCAAT	ACACCCAG	CT
16501	ATGTTGGCTT	TTGCTCTTGG	GTCCAGATGA	TTATCTGACA	AAGTTATT	CT
16551	CTGATTGCAT	TTTCTTTTCT	TTTCTTTTCT	TTTTTTTTTT	TGAGATGG	AG
16601	TTTCGCTCTT	GTTGCCCAGG	TTGGAGTGCA	ATGGCGCGAT	CTTGGCTC	AC
16651	TGCAACCTCT	GCCTCCCAGG	TTCAAGCGAT	TCTCCTGCCT	CAGCCTCCT	A
16701	AGTAGCTGGC	ATTGCAAGCA	TGCGCCACGA	CACCTGGCTA	ATTTTTTG	TA
16751	TTTTTAGTAG	AGATGGGATT	TCTCCATATT	GGTCAGGCTG	GTCTTGA	ACT
16801	CTTGACCTCA	GGTGATCCAC	CCGCTTCAGC	CTCCCAAAGT	GCTGGGAT	TA
16851	CAGGCGTGAG	CCACAGTGCC	TGGCCCTCTG	ACTGCATTTT	CACAGTGTT	T
16901	TGGGTCTTA	TCTCTACCTC	AGTACCTCAA	TATTCAGTGC	CCACTGGG	CC
16951	CTTAGATACT	GCAGCTAAAA	GTGCACAGGG	GTGGAGTGAT	GTGACGGTT	T
17001	TGGGGTCACA	GAAGCAGCTG	GTATAGAGAG	AAGTTGTGAA	GTTTTTTTT	T
17051	TTTTTCCTGA	GACAGAGTCT	CGCTGTATCC	CCTAGGCTGG	AGTGCAGT	GG
17101	CTTGATCTCG	GCTCACTGCA	ACCTCTGTCT	CCCTGGTTCA	AGTGATTCT	T
17151	ATGCCTCAGC	CTCCCGAGTA	GCTGGGATTA	TAGGCATGTG	TCACCATA	ACC
17201	CAGCTAATTT	TTGTGTTTTT	AGTAGAGATG	GGGTTTCACC	ATGTTGGCCA	
17251	GGCTGGCTTT	GAGCTCCTGA	CCTCAGGTGA	TCCGCCACC	TGGGCTTCCC	
17301	AAAGTGCTGG	GATTACAGGC	CTGAGCCATT	GCGCCTGGTC	TTTTTTTT	T
17351	TTTTTTAAGT	AATCATAGGC	TTGAATGTAG	CCTCTCATCT	GTTACCTTA	
17401	ATAATCCAAA	AGCCTTTAGA	TAAAGAAATG	GAGATTTGGA	ATGGCTTCT	C
17451	AGAATTCCAA	GAGAGTATTG	TCATGGTTTT	GCCTGCAAAG	CACCGTGG	TC
17501	TGTCTCCTTG	TGCAGTTGAG	AAAGCTGGTG	GTCGCCACTG	ACAGGCCCA	G
17551	AGTTATTAAG	TTGGACACTG	CTTTAAGCAA	CTTTGTAAAC	AATCCAAG	GC
17601	ATACTAGAGA	ATTAGGAGAG	ATTGGCTTTG	TGTATGAGCA	ATAACAAA	AT
17651	CAAGTTCAAT	CCAGCAAGTT	TTTGGGGAAT	TATAATTCAA	AACTCAA	ATA
17701	CTTGATCTGG	AAGAACTTG	GAAAGAGGGA	AGGAAGACAG	GCTTGTTA	CA
17751	GCATTGTCAG	GGTAAAAGGA	AAATACCGTG	CAGCTTTTAA	TTTTGCTT	CT
17801	TCATGGCATT	CCCCATGTAG	GTGCCCTAGA	TTTGTTTTTT	ACAGTGGT	CA
17851	CGACTTCATG	TGGATCCACC	CACCACTCTT	GCCTGGTTCC	CCAAGGGAC	C
17901	AAGGGAAGGT	GTATTCAGGA	TGATTGCTGA	AGTGAGGGGT	GGGGTCTGT	G
17951	GCTGAGAAGA	CTCTCAATAC	CGCGGCACTC	ATTATAAGCC	TCTGACAC	AG
18001	GAGATTTCAA	CTCCACCCGT	GCAACAAAGG	AACAGGGTGG	GCAAGAGT	AG
18051	TTACAGTTGC	AGGCTGAGTG	CGATGGTTCA	TGCCTGTAAT	CCCAGTGCT	T
18101	TGGGAAGCCA	AGGTGGGAGG	ATTGCTTGAG	TCTAGGAGTT	TGAGACCAG	C
18151	CTGGGTGACA	TAATGAGACC	CTACCTGTAC	AAAAAAATTT	TAAAAATT	AG
18201	CCAGATTGGT	GGTGTGCGCC	TATAGTCCCA	GCTACTCTGG	AGAATGAG	GT
18251	GGGTGAGGGT	CCCTTGAGTC	CAGGAGTTCT	AGGCTGCAGT	GAGTTATG	AT
18301	TCTATGATTT	CACCACTGCA	TTCCAGCCTG	GGCGACAGAG	CAAGATTGT	G
18351	TTCTTTTTTT	TTTTTGAGAC	GGAGTCTCAC	TCTGTCACCC	AGGCTGA	AGT
18401	GCAGTGGTAC	GATCTCTGCT	CACTACAACC	TGCACCTCCC	AGGTTCA	AGT
18451	GATTCTCTCC	CTCAGCCTCC	CGAGCAGCTG	AGATTAAAG	CGGCCGCT	TG
18501	TGTGCAGCTA	ATTTTTGTAT	TGTTAGTAGA	GATGGGGTTT	CATCATGTT	G

FIGURE 3G

18551	GTCAGGCTTG	TCTTGAAGCTC	CTGACCTCAG	GTGATCCACC	CGCCTCGCCC
18601	TCCCAAAATG	CTGGGATTAC	AGGCGTGAGC	TACTGCGCCC	AGCCATTTGT
18651	GTCTCTTAAA	AAAAAACTA	AGAAAATGAA	AAAAATGACA	TTGGCCAATT
18701	CATTAAAATG	CCACTCACTG	ACTGTGGTAT	GAAATGGCTT	TCCCTTTGAT
18751	GGACCGAGTC	TGTCTCATTG	TGTGAGCCAC	TTGCAGGGCT	GAGTATGACT
18801	CTGGAATGTA	GCTCCTAACC	TTATCTGCTG	CCCAGCCATT	GAAATGGCCA
18851	TCCCTTCCAG	TTCCCAGAAG	ATTCCAGTGT	GTGTTTGGGA	TTTTAAGACA
18901	GTCTCTTGGT	CTTCAGTGTG	GCATCTTTCT	GCCGGATTTT	CCAGGATAAT
18951	TTTGATTATA	AGCATTGCAT	TGCCCTTGGT	GTGTAATGCC	TGTGTATGAT
19001	GCTGTTCCCT	TGTAACGTGC	AGGATTAAAT	TTTTGGGTCA	GCCACTGCTG
19051	CTCCCCTTCA	TTCTGTCAGG	TCATTAGAGT	CATCGTACAT	TTAGCGATGT
19101	CTCAGATCAG	TGTATCTAGA	GTGTTAATAA	ACATGTTAGA	TTCCAAATCT
19151	ACTGTCCATT	TAATCCATAC	TTCATACGTT	GAGGATCTCT	GACTIONGAA
19201	TTAGACTTGG	AAAAATAATA	AGACTGTATG	GTAAGAAAAC	TATAGTTGCA
19251	AATCCATTTG	GACATGTAGT	ATGTCAGCCC	TGCAGAGCAG	ATGTCAGAAC
19301	CCCATTAGT	TCTCTGAGTG	CTAAGCCCTT	CTGCCCACCA	CGCTGTTTTT
19351	TTTTTTTGAG	ATGGAGTCTC	GCTCTGTCAC	TCAGGCTGGA	GTGCAGTGGT
19401	GTGATCTCGG	CTCACTGCAA	GCTCTGTCTC	CCAGGTTTAC	GCCATTCTCC
19451	TGCCTCAGCC	TCCCAAGTAG	CTGGGACTAC	AGGTGCTCAC	CACCATGCCC
19501	AGCTAATTTT	TTGTATGTTT	TTGGTAGAGA	CGGGGTTTCA	CTGTGTTAGC
19551	CAGGATGGTC	TGGATCTCCT	GACCTTGTGA	TCCACCCGCT	TCGGCCTCCC
19601	AAAGTGCTGG	GATTACAGGC	GTGAGCCACT	GCTCCTGGCC	CCCACGCCTT
19651	TTTTTTTTTT	TGGAGACAGA	GTTTCACTCT	GTCACCCAGA	TTGGAGTGCT
19701	GTGGCACAAT	CTCAGCTCAT	TGTGTCTCT	GCCTCCCAGG	TTCAAGTGAT
19751	TCTTGTGCCT	CAGCCTCCTG	AGTAGGTGGA	ATTACAGGCG	TGCACCACAA
19801	CACCTGGCTA	ATTTTTGTAT	TTTTAGTAGA	GATGGGGTTT	CACCATGTTG
19851	GCCAGGCTGG	TCTCGATCTC	CTGACCTCCA	GTGATCCACT	TGCCTAGGCC
19901	TCCCAAGTGG	TTGGGATTAC	AGGCGTCAGC	CACCATGCCT	GGACCCCTCT
19951	GCCCCTTTAA	GCACTGCCAC	ATATTAGATC	TACGAAGGCT	TTATGGATAC
20001	AATCCAAGGA	AGATGAACCT	TGGGCTAGTG	GGATAAAACT	AAGCGCATGT
20051	AGTTAGAATG	GAATGATCTG	GAAACCAGGT	CCCAAGTTGG	TCTAAATTAG
20101	ACTCATGTTG	ACTATGTCAC	ACTGTAAACC	AGTCTAAATG	CTAATAAGCA
20151	TGCTTGACCA	AACACTGCCC	TGCAGCCTTC	AGAGAGGAAG	AAGGAAAACA
20201	TAATTTGTAT	CCTCTCTCCC	TATTTTCTGA	GTCTATGGGA	TTCAAATTGT
20251	AGCTGCCATG	GAAACTGTAC	TTTGGAATTT	CTAGAGCCCT	TAATTTTAAC
20301	TTAACATATA	AAAACACTTT	TGTAAGTATT	TTATAATTAT	TCATGATGGA
20351	TGAGAAAGTG	AATGTCTTTG	ACAGTGAGGG	AAGCTATCCG	AATGCTATTT
20401	TCTTTTTTTT	TTTTCTTTCA	TAAAGATGCA	TATATTTGCA	TGCTTTATTT
20451	ACCTGGGGCT	AACTCTTGCA	TCTTTTGCAG	ATTCCGACAC	CATAGCTGAG
20501	TTACAGGAGC	TCCAGCCTTC	GCCAAAGGAC	TTCGAAGTCA	GAAGTCTTGT
20551	AGGTTGTGGT	CACTTTGCTG	AAGTGCAGGT	GGTAAGAGAG	AAAGCAACCG
20601	GGGACATCTA	TGCTATGAAA	GTGATGAAGA	AGAAGGCTTT	ATTGGCCCAG
20651	GAGCAGGTAG	GAGGATTTTA	ACATCATGCT	TTTCCACTTT	CTGTACCGGA
20701	GTGTTCAATTG	CAAAGACGAT	AATCTGCTGC	ACTGGCGTCT	AGGATCAAGC
20751	ACGTTTTCTT	CTGTGACTCT	ATATTTAATT	ATAGTTGGGG	CAAAAAGGTC
20801	TCTCATGTTT	TTAGCTCATC	TTCTTGAAGT	GATGTTGGCT	AATTTTGAAG
20851	GCTCACAAT	TCCTCTTGAT	GTATCATGTT	TCTATCGTTG	TAATTTATTT
20901	CAGAACCAAG	GTGGCCTTTT	AGCTAATGAA	TTTAAGATGA	TCTTTTATGA
20951	CCATTAGCTG	AGGACTCAGG	ATATACATAT	GGTGGGGTGA	ATCAGATTGC
21001	TTTTGTACAC	GCTTTAGGTA	TTTGTGTTGT	GGGCATATGG	ATTTGGTTTT
21051	AAAACAGGCC	TTTGAAGAAA	TCAAATAACA	TTCTTTGTTA	TGTGGCTAGG
21101	GAGTTGCTTG	TTTGAGAGCA	GCAAGAACGT	TATCTTTTTT	GTTGTGGTAT
21151	TTTTCTTTCT	TTTAAACAAG	GCTACTGTCT	CTAGACATAT	TGATTCATTT

FIGURE 3H

21201	GCTGTGTTTT	AGAGAGATGG	CCGTCAGCCT	TGGAATTCAG	AGAGTAATTT
21251	ATTACTTACA	GACATTTTAG	TGCACATGAT	ATGTCTGATA	ATGTACCCAG
21301	CTCTGCAGGA	AGCTTGCAAA	AGGAATAGAA	GTCCCATGGT	TGCTATTTTC
21351	AGTGTTTAAA	AACAACCTTG	GAAAGTGGAG	GAAAAATGCA	AATGTATAAA
21401	GCAGGTGCTT	ACCAGCTAAA	GTATCACAGA	AGTGGGAGAG	CAATTAGCAA
21451	ATTAATTAAC	GATGATGTGA	GGGGAGATGT	TGTGGGTGAG	CAAGGGACAG
21501	TTAGGGACAG	TTCTCACCGA	TGGGGGGAAA	TGTAGGTTCT	CGGCAGAGAG
21551	AAGTGATGAG	AACATGTTGG	GTAGAAGTGT	GACATTCTGG	AGTACTAGAA
21601	TGCTATGCAA	GTGTGTGTGT	GTGGGTGTGT	GTGTGTGTTT	AGTGGTTCAG
21651	AACAGACTGG	GAAATGGCGA	AATGAGGACA	TTTGGGTGGG	GAGGGGGAAA
21701	TGGGTGGGAA	ACTCAAGAAC	CTTTTTTTAA	AAAATTGTGG	TAAAATATAT
21751	ATAACATAAA	GTGTACCATT	TAAACCATT	TTAAATGTGC	AACTGAGTGG
21801	TATTCAGTGC	ATTCATGATG	TTGTACAACC	ATGACCGCTC	TCCATTTCTA
21851	GAATTTTCT	ATCATCCCAA	ACAGAAACTC	TCTATCCATT	ATACAATACC
21901	TCCCCATTCC	CCCAAGAACC	AGTTTTTGAA	TTGCAGTTTA	CTTTGTGAGG
21951	CTGTTGGGGA	TTATTTAGGC	CTCTGGAAGG	AGGAGGTTGG	GATCAGAGTC
22001	TGGCCCTGTG	GACTTCAATG	ACTTTGTGTG	GCCTCCAATC	AGAGAAGCAG
22051	CGGAGGGCAG	GAAGCTGCTT	GTCAGAATCT	GAGAGTGATG	TGGCTTCTTT
22101	GTTTAGCAAT	AAAATGTGAG	CACATAATAG	AAAGGAAAAG	TGACAGGACA
22151	TGGCAGATAA	TTTGGAAGAG	AGGAGTGGAA	GATGCTCACT	CAGCCTCCCA
22201	GCTCCTGAGA	AAGAACTGTG	TCTCATCAGT	TCATACTACC	TGAGCATCTG
22251	TTGTATCTGG	TGTGTTTCTA	GGTCCTGGAG	AAGAGGCATT	ACGTGTAGCC
22301	CTGACCTTGT	GATGCTTATG	TTTTTGATGG	GAAATAGTGC	GTGTAAAAAG
22351	AAAATAATCC	AACAGGCCAC	ACGGCAGGCA	AACAATAGAG	ATATTCAAAT
22401	AGGTATACCT	TCCTCCAGGT	GAATGGCCTG	AAATGACCGT	GTGGAAGTGT
22451	GGGCTGGGGG	CTTATAAAAT	TATACACATA	CAGGCGCTAA	CTAAAGCCGC
22501	CTATTCATTC	CTTAAGAGGA	TGCATAGAAA	AGAAAAGTAG	GGTCCTTAAC
22551	TGAGCCATTT	GGAATTTAAG	GGCATGAGAG	AAGCCAGCAC	AAGCAGTGAA
22601	GGGAAGGAAA	AGAAGTGCCC	GAGAGGAGGG	AGGGATGCTG	TTCTGCAGAC
22651	AAGGCCTGCC	GCCTGGGAGA	GGCCCGCACG	CCCACCCAGG	GTTCTCTGAC
22701	AGCTGGAAGG	GGTCTTCAGA	GACTGTTTAT	ATTTTATTTA	TTTATTTATT
22751	TATTTATTTT	GAGACAGAGT	CTCTGTCACC	CAGGCTGGAG	TGCAGTGGTG
22801	CGATCTCAGC	TCACTGCAAG	CTCCGCCTCC	CAGGTTCACT	CCATTCTCCT
22851	ATCTCAGCCT	CCCGAGTAGC	TGGGACTACA	GGCGCCTGCC	ACAATGCCCG
22901	GCTAATTTTT	TTGTAATTTT	AGTAGAGACG	GGGTTTTACC	TCGTTAGCCA
22951	GGATGGTCTT	GATCTCCTGA	CCTCATGATT	CGCCACCTC	GGCCTCCCAA
23001	AGTGCTGGGA	TTACAGGTGT	GAGCCACTGT	GCCTGGCCGA	CTGTTTCTAC
23051	TATTTTAGAG	AGAGGGTCTC	ACTGTCATCT	GTGCTGGAAT	GCAGTGATGC
23101	AGTCATAGCT	CACGACACC	TCAAATCCT	GGGCTTAAGC	GACCCTCCCG
23151	CCTCAGCCTC	TTAAGTAGCT	GGGACCATAG	GCATGTGCTG	CCACACCCAG
23201	TTAACTTTAT	TATTTATTTA	TTTATTTAGA	GAATGAGTCT	CATTCTGTTG
23251	CCCAGGCTAG	AGGTGCAGTG	GCACGATCTC	GGCTCACTGC	AACCCCGCCT
23301	CCCAGGTTCA	AGCGATTCTT	CTTGCTCAGC	CTCCTGAATA	GCTGGGATTA
23351	CAGGCACCTG	CCACCACACC	TGGCTAATTT	TTGTATTTT	AGTGCAGAGG
23401	GGGGGGTTTC	ACCATGTTGG	TCAGGCTGGT	CTCGAACTCC	TGACCTTGTG
23451	ATCTGCCTGC	CTCGGCCTCC	CAAAGTGCTG	GGATTACAGG	CGTGAGCCAC
23501	CGTGCCCGGC	CCACTTTATT	ATTTTAAAAA	CATTGTTTTA	TTTTTATTTT
23551	TTTGAGACAG	AGTCCGCTGG	AGTTCAGTGG	CCGGATCTCA	CTCACTGCAA
23601	CCTCTGCCTC	CTGGGTTCAA	GTGATTCTTG	TGCTTCAGCC	TCTCTAGTAG
23651	CTGGGACTAC	AGGCGGGTGC	CACCATGCCT	GGCTAATGTT	TTTTGTATCT
23701	TTTTAGTAGA	GACGGGGTTT	TGCCCATGTT	GGCCAGGCTG	GTCTCGAAGT
23751	CCTGACCTCA	AGTGATCTGC	CCACTTTAGC	CTCTCAAAGT	ACTTGGGATT
23801	ACAGGCGTGA	GCCACTGTGG	CTAGCCCCCA	GCTAACTTTA	AAAAAAAATT

FIGURE 3I

23851	TTGTGGGCCG	GGTGCA GTGG	CTCACGCCTG	TAATCCCAGC	ACTTTGGAGG
23901	CCAAGCAGGG	CGGATCACTT	GAGGTCGGGA	GTTTGAGACC	AGCCTGACCA
23951	ACATGGAGAA	ACCCTGTCTC	TACTAAAAAT	ACAAAAAATT	AGCCGGGTGT
24001	GGTGGTGCAT	GCCTGTAATC	CCAGCTACTT	GGGAGCTGAG	GCAGGAGAAT
24051	TGCTTGAATC	TGGGAGGCAG	AGGTTGCAGT	GAGCTTAGAT	CACGCCACTG
24101	CACTACAGCC	TGGGCAACAA	GAGCGAACAC	TCCGTCTCAA	AAAAAAAAAA
24151	TAAATTATGT	AGAGGTGGGA	TCTCCCTATG	TTGCCCGGAC	TGGTCTTGAA
24201	CTCCTGGCCT	CAAGTGATCC	TTCCATCTCC	CCCTCCCAA	GTGTTGGGAT
24251	TACAGGCATG	AGCCACCCCT	CCTGGCTGAG	ACTGCTTATT	TTATTTATTT
24301	TTAATTTTTT	TTGTTTTGAG	ACTGCTTATT	TTAATGGAAG	CTTCAGGGGT
24351	CAGACGGGGT	CAGACAGAGT	CATTGGTGAG	CAAGCAAAGG	TGTAGACTGT
24401	TCAGTTCAGC	CTTCCTTGGA	CACCTTTTAT	GTGCCAGACA	AAAGAAGGAT
24451	CAGCATATCA	GGTGCA GTAA	ATTATTGGGG	TTATGTTGGT	GTTTCCCAA
24501	TGTGTTAGAT	TTATCCCTGG	TAGTGTTAAA	TCTCATGATT	TTAGGTAGTA
24551	TATGGACAAC	CTATGTAAAA	ACATTTAATA	GTTTAATATT	AACTAGCATA
24601	TCAAAACCTG	TGACTTTGCT	CACGCCTGTA	ATCCCAGCAC	TTTGGGAGGC
24651	CAAGGCGGGA	GGATGGTTTG	GGCCCAGGAG	TTTGAGGCCA	GCCTAGGTAA
24701	CATGGTGAGA	CCCTGTCTCT	AAAACAAAAC	AAAACAAAAC	AAACAAACAA
24751	ACAAATAAAC	AAATCCCCTG	TAACTTGTTT	TAACAATAAC	CTAAACAATT
24801	TTTTATTTAA	AATTAAATAA	AAAAATTGAA	ACAGTAACCA	TTTTTTTTTT
24851	TTTTTTTGGA	GACAGAGTCT	TGCTTTGTCA	CCTAGTCTAG	AGTGCAGTGG
24901	CACAATCTCT	GCTCACTGCA	ACCTCTGCCT	TCAAACAATT	CTCCTGCCTC
24951	AGGCTTCTGA	GTAGGTGGGA	TTGATTACAG	GTGCACTCCA	CCATGCCCAG
25001	CTAATTTTTG	TATTTTTAGT	AGAGACGGGG	TTTCACCATG	TTGGCTAGGC
25051	TAGTCTTGAA	CTCCTGACCT	GCAGTAGTCC	ACGTGCCTTG	GCCTCCCAA
25101	GTGCTGGGAT	TACAATCACA	AATTTATAGA	AAAGTTGCAA	GTACCATGTA
25151	GTCAGGGTTC	TTAAGAGAAA	TGGAACCAAG	AGGAGATAGA	TATATAATCA
25201	TCTCCTAGGA	TTATAAGTTG	ACACATAAGA	CTAACCGTCA	CATACAGTAT
25251	AAACAACCTT	TTTTCTTAAA	CCATTTGATA	GATACACACA	CACTGATATA
25301	CATAGAATAT	ATATACACAC	ACACAGAATG	TATATACACA	TAGAATATAT
25351	GTGCATACAG	AATATATACA	CAGAAATATA	TATGTACACA	TGCATAGAAT
25401	ATATTTACAT	ATATATGCAT	ATATATAATT	TATTTATTTT	AAGCAGTTGA
25451	TTTATACAGT	TTTTGTTTTT	GTTTTTTTTT	TGAGACAGAG	TCTCACTCTG
25501	TCACCCAGGC	TAGAGTGCAG	TGGCGAGATC	TCAGCTCACT	GCAACCTCTG
25551	CCCCCGGGTT	CCAGTGATTG	TCCTGCCTCA	GCTCCACAAG	TAGCACACCA
25601	CCATGCCCAG	CTAATTTTTG	TATTTTTTTT	AGTAGAGACG	AGGTTTCATC
25651	ATGTTGGCCA	GGCTGGTCTC	GAACCTCTGA	CCTCAAGTGA	TCCGCCCGCC
25701	TTGGCCTCCC	AAAGTGCTGG	GATTTTCAGG	GTGAGCCACC	ACACCTGGCT
25751	CCCATAATGT	CTTTTAGAAT	AAAACGATCG	AGTTGAGGAT	CACACGTGAC
25801	ACTTAATTGT	CCTGTCTCTT	TAGTCTCCTT	CAATCTGGAG	CAGTTCTTTG
25851	ATTTTTCTTG	GACTCTCATG	ACCTTGACAA	TTCTGATGAT	TATAGGCCAG
25901	TTATTTTGTA	AAATTTGAAT	TTGTCTGATG	TTGCTTATGT	TTAGATTTAG
25951	GGTCTTGGTC	TTTGGCCGGA	ATATCTCAGA	CAAGATGCTC	TGTTCTTATT
26001	GCATCAGAGC	AGAAGACTCT	CTGTTTCAGT	TGATCACATT	TATGTTGATG
26051	CTCACTTTGA	TCACTTGATT	AAGGTGGTGT	CAGTTATGCC	TTTCTACTTG
26101	TAGGGTTACT	CCTTCCTCCT	TCGTGATTTT	ATTTATTTTA	TTTTTCTTAG
26151	AGACAGGGTC	TTGCTTGGTT	GCCCAAGCTG	GAGTGCA GTG	GTGGGATCTT
26201	GGCTCACTGC	AGCCTTGAAC	TCCTGGGCTC	AAGTAATCCA	CCTGCCACAG
26251	CCTCCTGAGT	AACTGGGACT	GTAAGCGAAC	ACCACCACAC	CCAGCTACTT
26301	TTTGTATTGT	AGAGATGGGG	TCTCACTGTG	TTGTCCAGGC	TGGTCTGTAA
26351	CTCCTGGCCT	CAAGCAGTCT	TCCGGCCTTG	GCCTCCCGAA	GTGCTGGGAT
26401	TACAGGCATG	AGCCACTGCA	CCCAGCCTCC	TTTGTAATTA	AAAAAGTATT
26451	TTATGGGGAG	TTACTTTCAA	GTGATGGAAA	TATTTTATAT	CTATGTGGAC

FIGURE 3J

26501	TTGGATTTTC	CTATTTCACT	CAGTGAGTTA	TAATCCATTT	CTGTCACTAG
26551	TTTTATACTT	AAATTGTTCC	CAACTTGGCC	ACTGAGAACC	TTTTTAGGTT
26601	AGCTTTTGTG	TCCTTTTCAC	ATGTCTCCAA	GATTCATTGA	ATACTTTCCT
26651	GCTTTCTGGT	ATAGCAAGAT	GTTCAGGTTT	TTTTGGTACT	TTTACTTTCT
26701	CTGCCCTGGC	TCTGGCATCA	GTCATTTCTC	AGAGGAGCCC	TGTGCCTTTC
26751	AGTGGACAAT	GGTGTTTAGA	GGCCAAGATC	TGGACATTGG	GTGTTTTCAT
26801	TGCTACCGGT	GTGTCACTAC	TCCCAGACCC	CTTTCAGTGG	ACAGCACTAA
26851	GGAATACACA	TACGTATATA	CAATATATCC	ACCTACACAT	GTGCGTGCAC
26901	TCACACACAC	ACATATACAT	TACATCTATA	TTTGTGTATC	CATGTCTATA
26951	TATTGAAAAT	TGTGGCTGGG	CACAGTGGCT	TATGCCTTTA	ATCTCAGCAT
27001	TTTGGGAGGC	TGAGGCAAGA	GGATCACCTG	AAGCCAGGAG	TTCAACACCA
27051	GCTTGGGAAA	CAGAGAGAGA	CTCTGTCTCT	ACAAAAATAA	AAAGGGAAAA
27101	CCATGAGTTC	ACACCCGTGC	CCCCAGTTCC	AATCCAACTT	CACAGGGTTC
27151	ATTTTAGTTT	TCACCCTTTC	CATGTTTGTA	ATTCTCTTCT	CTGACATTAT
27201	ACCTTAATA	TGTTTACTTA	TTTTATGCAT	CTGTATGCAT	CCAATCTACT
27251	GTCTTTGTTG	GTATCCCACC	TCCCCTTGGT	GGGTCCAGAT	AATCTGCTCT
27301	GGGTTGCCCT	TTACCGTGGG	TGCTTTCCTT	ACCTGTGTGT	GGCCTGTGAT
27351	ACTGGGCTGC	CCCCACACAT	GAGTGCTGCC	CTCCTCACGT	TGCTTGGGAC
27401	GGCACTGTGT	CCTGGGCCAC	CATGACTTTT	CTCATAACTA	GCGTGGATGC
27451	TTACCTTGTT	CCACACCAGT	GAATGGCTTC	AGGAAGAGAA	GAGGAAGAGA
27501	AAAATATTTA	CATTTAAAGA	AAGGTAGTTT	AAAGAAATAT	GTTAGGTAAA
27551	GAATTGAGCA	GGTAATATAC	GGAGCTGGCA	AAAATTGTGA	CCAAAGTAGG
27601	TGAATGATTG	AGATTTATGC	AATTCTGGGC	TAAGTGACAG	CCCCTTCCCT
27651	TTCCCTTCCC	TTCCCTTCC	CTTCCCTTTT	CTTCCCTTTC	CCTTCCCTTT
27701	CCTTCCCTTT	CCCTTCCCCT	TCCCTTCCCT	TTCCCTTCCCT	TTCCCTCTTC
27751	TTCTTCTCTT	CCTTCTGTTT	TCTTTTCCCT	TCTTCTCTTT	GCCTTTTTTT
27801	TTTTTTTAAA	GCTAGAAACA	TCAGTTTAGG	CATAAAGACA	GAGGAAAAGG
27851	CTTCTTTTTC	CTCTCACAGT	TCTTTATAAT	TGTCTAAGCA	GTTTCTTTTT
27901	TCCCTAGGTT	TCATTTTTTG	AGGAAGAGCG	GAACATATTA	TCTCGAAGCA
27951	CAAGCCCGTG	GATCCCCCAA	TTACAGTATG	CCTTTCAGGA	CAAAAATCAC
28001	CTTTATCTGG	TGAGTCTTTA	CATCTGTCTC	TCTGGAATTA	GCCTAGCACT
28051	CTGACACTCA	GATGCCTGTG	GTAGAAGTGA	ATGTTGTTCT	TGCCCCATGTG
28101	GTCTCATTCA	TGCAAAGACT	TTCTTACCTT	ACAGGTGTCT	CCCTGGTTTC
28151	CTCGTTATAA	AGATCAAGAG	CTAACCCATT	TAGAAACAGC	CTCATTGGGC
28201	TGAACGTGGT	GGCTCACGCC	TGTAATCCCA	GCATTTTGGG	AGGCCGAGGC
28251	GGGTGGATCA	CGAGGTCAGG	AGATCAAGAC	CATCCTGGCT	AACACAGTGA
28301	AACCCCGTCT	CTACTAAAAA	TACAGAAAAA	TTAGCCGGGC	ATGGTGTGCG
28351	GTGCCTGTAG	TCCCAGCTAC	TCAGGTGGCT	AAGGCAGGAC	AATCGCTTGA
28401	ACCTGGGAAG	CGGAGCTTGC	AGTGAGCCGA	GATTGCGCCA	CTGCACTCCA
28451	GCCTGGGTGA	CAGAGCAAGA	CTCTATCTCA	AAAAAAAAAA	AAAGAAAAAA
28501	AAAGAAACAG	CCTCATTGAC	AGTTGGATAT	TGTAGCTGTG	GCTTTCAGGC
28551	AATAATAGGG	AATCATTTAT	TGGGGAATAG	TCTGTCATTA	TGTATAAGAT
28601	AATCTTGCTT	TAATTTTTAA	AAACTTCCTG	TGTTAGCTTG	CTTAGGATTA
28651	AAAAAATGAT	AATAGTGCAT	GGTTGTTATA	AGAAAATGCA	AACACTGCAG
28701	ACATGCATGA	AGTTGAAGGG	AAAGCCCCCC	ATTTTCTTTT	CCTTTTCTTT
28751	TTTTTTGAGA	CAGAGTCTCG	CTTTGTCAAC	CAGGCTGGAG	TGCGGTGGCA
28801	CTATCTCGGC	TCACTGCAAT	CTCCACCTCC	CAGGTTCAAG	AGATTCTTCT
28851	GCCTCAGCTT	CCCTAGTAGC	TGGGATTACA	GGCACGTGTC	ACCACGCCCA
28901	ACTAATTTTT	GTATTTTTAG	TAGAGATGGG	GTTTTACCAC	GTTGGCCGGG
28951	CTGGCCGCAA	ACTCCTGACC	TCAAATGATC	CACCTGCCTC	GGCCTCCCAA
29001	AGTGTTGTGA	TTACAGGAGT	GAGCCACTGT	GCCCCGCCCT	TCCGTTTTAT
29051	TTTCTAATCC	TCCTCCCTAG	GGGAAGAAAT	GTTAAATGGT	TACATAAGCT
29101	TTCCCTTTCT	GACCCTTAAC	TGTGCTCTGT	AGGAGCATGG	TGGGGGATGT

FIGURE 3K

29151	TTCTTTTCTT	TTCTTCTTTT	TTTGAGACCA	GGTCTCACTT	TGCCACCCAG
29201	GCTGGAGTTC	AGTGGCATGA	ACATGGCTCA	CTGCAGCCTC	GACTTCCTGG
29251	GCTCCAGCAA	ACCTCCCACC	TCAGCCTCCC	GGGCATACAC	CACTGTGCCT
29301	GGCTAATTTT	TGTATTTTAA	GTAGAGACGG	GGTTTTGCCA	TGTTGCCCAG
29351	GCTGGTTTCG	AAGTCCTGAG	CTCAAGAGAT	CTTCCTGCCT	TGGCCTTCCA
29401	AAGTGCTGGG	ATTACAGGTG	TGAGCCACCA	TGCCCAGCTC	CGGTGGGGGA
29451	TATTTCTATA	TCCACATGTG	TATAGTTTAC	TTTATAAAAA	TGGTATGTTA
29501	CTCTGTGCTT	GGCTCTCCAG	CTTGCTGTTG	CCTTTCACCA	GTGTATCCCA
29551	GACATCCTTT	CTTCCTTGTC	AGTAACGCAG	GTCTACTTTA	TTCTTTGAGC
29601	AGTGGCATAA	TTTTCCCTGA	TGTGTATATA	TCATAAGTTA	GAGAATGCTA
29651	AAATTCATTT	TGGGGCCTTG	TTTAGGTTCT	TGAGGGATTA	AATTCCTAAA
29701	TTTAAACAAGT	GTATCCTGGA	AACAATTTTT	GTTCTTGATT	CAGCCCTTAA
29751	AAGAGGACTA	TCATGTTACC	TTGAATGGAG	ATAAACAGGC	TCACGTAAGA
29801	GAAAAGGGTA	AGAGGGATGA	ACTCCCACCT	ATCTTAAACT	TCTACTGGCC
29851	CGTTTTTGGG	GAATTTGCTG	CTTTTATTCC	TGACCTAAAA	TAAATAAGTT
29901	TATGTGTCTT	GGTTTCATAT	TAGTTGAGAA	CCCAGTGCCT	GGAGAGAAGT
29951	TTTCCTTGTC	CTCTGAGTGA	GGACATTCAC	ATATGAATCT	ATTGGCAGAC
30001	TGGCTTTGAC	TGACCACACG	TGCCTTCAGA	ACCAATGCCA	CAGCTCTTAG
30051	GTTTATGGCC	TGAAACACCC	TTTCCTTACA	TATTGCCTTA	GAAACTTTCC
30101	TTCTTGAGAA	CATGGGGCAT	GGAACCCTCA	CCTTCACAGA	TGACCTTGGT
30151	GTGTTTCTAG	GGTTGCTGGT	GTTCCAGGAC	ATCTGTTGCA	GATGCAGTAT
30201	TTACCTTG TG	CTCTCTGCAT	CATAAGCAGC	TTCTCATGTT	TGAATGTATT
30251	AACAGACTTT	TAATTTTTTT	TATTTTTGAG	ACAAAGTCTC	ACTCTGTCAC
30301	CCAGGCTAGT	GTTACCCAGG	CTGGAGTGCA	ATGGCTCAAT	CTCAGCTCAC
30351	TGCAACCTCC	ACCTCCTGGG	TTCAAGCGAT	TCTCTTGCTC	CAGCCTCCCG
30401	AGTAGCTGGG	ATTACAGGTG	CATGACACCA	CGCCCTGCTA	ATTTTTGTAT
30451	TTTTAGTAGA	GACGGGGTTT	CGCCATGTTG	GTGGGGCTGG	TCTCAAACCTC
30501	CTGACCTCAG	ATGATCTGCC	CGCCTTGGCC	TCCCAAAGTG	CTGGGGATTAC
30551	AGGCGTGAGC	CACTGCGCCT	TTTTTTTTCA	TTTTTTTTCT	GAGATGGAGT
30601	CTTCTCTGT	CACCAGGCTG	GAGTACAGTC	ATGCAATCTC	AGCTCACTGC
30651	AACTTCCACC	TCCTGGGTTA	AAGTGATTCT	CCTGTCTTAG	CCTCCTGTGT
30701	AGCTGGGACT	ACAGGCGTGT	GCCACTGTGC	CCAGCTAATT	TTTATATTTT
30751	TAGTAGAGAC	GGGGTTTTGC	CATGTGGGTT	AGGCTGGTCT	TGAACTCCTG
30801	ACCTCAGGTG	ATCCACCCGT	CTTGGCCTCC	CAAAGTGCTG	GGGTTATAGG
30851	CGTGAGCCAC	TGTGCCCAGC	CTCAGGCTTC	TTTATTAAGA	AGAAGTTCGG
30901	GCCAGGTGTG	GTGGCTTACA	CCTGTAATCC	CAGCAATTTG	GGAGGCCGAG
30951	GTGGGCAGAT	CAGGAGGTCA	GGAGATCGAG	ACCATCCTGG	CTAACATGGT
31001	GAAACCTCGT	CTCTACTAAA	AATATAAAAA	ATTAGGCAGG	TATGGTGGCG
31051	GGTGCCTGTA	GTCCCAGCTA	CTCGGGAGGC	TGAGGGAGGA	GAACGGTGTG
31101	AACCTGGGAG	GCGGAGCTTG	CAGTGAGCCC	AGATTGTGCC	AGTGCACCTC
31151	AGCCTGGGTG	ACAGAGCGAG	GCTCCGTCTC	AAGAAAAAAA	AAAAAGACGT
31201	TCCCTTGAAA	CAACAGGGCT	TTTGTTTGTT	TTGGTTTGTT	TTTGTTTGTT
31251	ATTGTTGTTT	TAGATACGTA	TTTTTTTCTT	TCTTTTTTTT	TTTTAAGTGA
31301	TGATGTCTCT	GTTGCAGTGG	CATGATCATA	GCTCACTGTA	ACCTCAAATT
31351	GCAGGGCTCA	AGTGATTCTC	CTGCTTCACC	TTCTTGATTA	GCTGGGACAA
31401	CAGGTACAAA	CCACCATGCC	TAGCGAATTT	TTAAATTTTT	CATAGAGACT
31451	AGGGTCTCAC	TATGTTGCCT	AGGCTGGTTT	CGAACTCCTG	GCCCCAAGTC
31501	ATCCTCCTGC	CTTGGCTTCC	CAAATTGTTG	GGATCACAGG	CATGAATCAC
31551	CACACCCAGC	CTATTTT TAG	ATATTTTAAT	TCGAGCTCTA	CAGGAGGTTT
31601	AGAACACTAG	CTTGTGAAGA	TAAACTTCAT	TTTCAAGGCC	ACACAGAATC
31651	TAAGTGTGCC	TGGAATTAGG	AAGGGCTTTG	ATTTTTTTGA	CCAAAGTTGA
31701	GAGTCCACAG	TTTTCTGGTC	TACCTTGCAC	TGCTCCATAA	ACTCATATT
31751	CTTTTCTCTG	AGCTGAAGAG	CTCCCCCTCT	TGGTGTCTAG	TCTCAGGCAA

FIGURE 3L

31801	CTTATTCTTA	AAAGTAAGCA	TTATTGAAAT	GCTTTGGGAT	TTTCACATCA
31851	TCAAGGTCCA	TTTTGGTAGA	GGCACTGACA	GATTTTGAGT	GTTCTGTGTG
31901	AAGGAACTCA	GTTGAGGATT	TAGTGGTCCA	TGTGGCAGGC	TACTGCTCAG
31951	TAGCTTCAGG	GAAACCACTG	CTTGCCCTCCC	CTGTGGCCAG	TGAGGATGAT
32001	CAGAGGAGTC	CCAGCAGGAA	TGCCCAAATG	TAGTTTTCTT	ACATGTTGAT
32051	GGGAGTGCAT	TGTTTCATGT	CTAAACAGTT	CTCAAATCAC	ATCTTCAGGA
32101	GGGTACTATC	TGGGCACTTT	GATAATTTCT	CACTTTGATG	TCACCGTTCT
32151	TATTACCATC	ACCTAGTTTT	GTCATAGTAG	AAATAACTTT	CCTTTTTCTG
32201	TGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTT	TTGAGATGGA
32251	GTCTTGCCGT	GTTGCCCAGG	CTGTAGTGCA	GTGGCGTGTT	CTCGGCTCAC
32301	TGCAACCTCT	GCCTCCCGGG	TTCTCCTGCC	TCAGCCTCCC	GAGTAGTTGG
32351	GATTACAGGC	GTGTGACACC	ACGCCTGGCT	CATTTTTGTA	TTTTCAGTAG
32401	AGATGGGGTT	TCACCACTTT	GGCCAGGCTG	GTCTTGAAct	CCTGACCTTG
32451	TGATCCGCC	ACCTTGACCT	CCCAAAGTGC	TGGGATTGCA	GGTGTGAGCC
32501	ACCACGCCTG	GCTTTTTTTT	TTTTTTTTTT	TGAGACAGAG	TCTTGCTCTG
32551	TTGCCCAGGC	TGGAGTGCAG	TGGCGGGATC	TTGGCTCACT	GCAGCCTCCA
32601	CCTCCTAGGT	TCAAGCAATT	CTTCTGCCTC	AGCCTCCTGA	GTAGCTGGGA
32651	TTACAGGTGC	CCACCACCAT	GTCCGGCAAA	TTTTTGATT	TTAGTAGAG
32701	ACAGGGTTTC	ACCATGTTGG	CCAGGCTGGT	TTCTAACTCC	TGACCCAGG
32751	TGATCCGCCT	GCCTCAGCCT	CCCAGAGTGA	TGGAATTACA	GGCATGAGCC
32801	ACTGCGCCTG	GCCACCTTTG	TCTTCTTAGT	TGTGGATTTA	ACTGCTGTGG
32851	ACATCTGCTT	GGGCATAGCC	TTCCCGGAGT	ACCTCTTGGA	TTGGGACTGT
32901	CTGTGGGTTT	CTGTGCTAGG	ACAGGCTCCC	AGATGTAGGA	GGCTTCCCCA
32951	ATGATCTCAC	CACTGGCATC	GGCATCCTTA	GCTTCTACTC	AGCTTTTCCA
33001	TCTGCCATCT	TGCAAGATGG	AAGGTTGTTT	TGTTTTTGTT	TTTGTTTTTT
33051	GGTTTATTTT	TTTTGAGATA	GAGTCTCGCT	CTGTTGCCAA	GGCTGGAGTT
33101	CAGTGGCGCA	ATCTCGGCTC	AGTGCAACCT	CCACCTCCTG	GGTTCAAGTG
33151	ATTACCTGTC	CTCAGCCTCT	GGAGTAGCTG	GGATTACAGG	CGCGTGCCAC
33201	CATGTTTCGT	TAATTTTTTG	TATTTTTAGT	AGAGACGGGG	TTTCACCCTG
33251	TTAGCCAGGA	TGGTCTCGAT	CTTCTGACCT	CATGATCCGC	CTGCTTCAGC
33301	CTCCCAGAGT	GCTGGGATTA	CAGGCGTGAG	CCACCGTGCC	CAGCCTAGGA
33351	GGGTTCTTAA	TGCAGCTGTT	TTTTGGAGTT	CTGGTTGCCT	CAGCAGCTG
33401	CTACTTGGGT	CAATGACATT	TTTACTCCCT	TGTTTTGTAG	CTCAATTGGG
33451	TATTACTGAT	GGGATTTTGT	AATTATTAAT	ATTTTCTTGT	CTCCATTTTC
33501	TTCTCAAGTA	CTTTGTTGCT	TTTGAGTAAA	ATGCTTGCTA	AGGGTATAGT
33551	TTTCACATAA	AAGCTCAAAT	TTAGCATGGA	AATTAAGATA	TGCTCATACG
33601	TCTGCCATCC	CTTATCTGTA	ATTCTGAAAT	ACCTAGAGTT	CTGAATAACC
33651	TCAAATTCTT	TTGTTACTTG	TTTATCAGCA	AAACCTGATT	TGAACCTAGT
33701	TTTTGGCAAA	ACTTGATCCA	AGCTCTCTTA	AGGCTCTTTT	TAGTCTTTAT
33751	TCATTCCCTT	TAGTGTGACT	TCCCATTTTG	CTATAAAATT	ATGAGTGTGT
33801	TTGATTACAA	GGTGATGTCC	CAGACCCTAC	TGAGGGTGTT	ACATAATATA
33851	AACTGTATGT	ATGGCTGGGC	GCGGTGGCTT	ATACCTGTAA	TCCCAGCAAC
33901	TTTGGGAGGC	CGAGGCGAGC	GGATAACCTT	AGTTCAGGAG	TTCAAGCCCA
33951	GCCTGGCCAA	CATGGTGAAA	CCCCGTCTCT	ACTAAGAATA	CAAAAATTAG
34001	CCAGGCATGA	TGGTGGGCGC	CTGTAATCCC	AGCTACTCCT	TAGGCTGAGG
34051	CAGGAGAATC	ACTTGAACCC	AGGAGGTGGA	GGTTGCAGTG	AGCCAAGGTC
34101	ATGCCACTGC	ACTCCAGCCT	GGGCGACAAA	GCAAGAATCT	GTCTCAAAAA
34151	AAAAAAAAAA	AAAGTGTGTG	TACCACTTTA	CCTTTCTAAA	ATCTGAAAAA
34201	TTCTGAATCT	GGAAACCCAT	TCTGCTTCAA	GATAAATGGA	TCCTAGATTT
34251	ATATCGGTAC	CGTACAGTCC	TGAAATTCCA	TCCTATCTAT	TGGCCACTTT
34301	TACATCAACA	AACCTTTGAA	GTTTGGGGAA	ACTTACATAT	CACGCTCCCT
34351	TGGCAGTTGA	ACATTATTTA	TTTATTTTGA	GATGGAGTAC	TCGCTTTGCC
34401	CAGGCTGGAG	TGCAGTGGCG	CGATCTTGCC	TCACTGCAAC	CTCTGCCTCC

FIGURE 3M

34451	CGGGTTCAAG	CAATTCTCCT	GCCTCAGCCT	CCTGAGTAGC	TGGGATTATA
34501	GGCATGCAAC	ACCATGCCCA	GCTAATTTTT	GTCTTTTTAG	TAGAGACGGG
34551	GTTTCACTAT	GTAAACCAGG	CTGTTCTCGA	ACTCCTGACC	TTGTAATCTT
34601	CCCTCCTCGG	CCTCCCAAAG	TGCTGGAATT	ACAGGCGTGA	ACCACCACGC
34651	CTGGCCCTGA	AGATACATTT	TAAATCAATG	AAAAAAACAA	CAGGATTCTA
34701	CCTCCTATGG	TATATCCCTC	CTGGCTGTCT	CTTCTCTCCA	GTCTTGCTCTC
34751	TGCTGTGTGG	GTTTCAGGCA	TCCATCTTCT	CTACTCTGAA	TFACTGTGAT
34801	AACCTCTGAA	GTATTTTCCC	TGCCATCTGT	CTGGCCCTTC	TCCCAGGTCT
34851	TCCACATACT	GCAGCCAAGT	CAGCCCGCTG	TTGAAACCCT	TCAAGACTCC
34901	CTGCTGTCCT	CTGGATGAAG	TCCAGACTCT	TCCACGTGAC	TTACCAGGCC
34951	TTTCTTGAC	TTGTCCCCAG	CCACTTACTG	TTTCTCTCTT	TCTACCTTAA
35001	CATCCTGAAC	TTCTTTTGGT	TCTTTGACCT	TGCCTCTGAC	CTTTTTCCAT
35051	GCTGTTCACT	CTTTCCCTGT	TCACCTTGCT	AACTCCTCTT	TCTCTTTCTG
35101	GGTTGGATCA	GATTTCACTT	CTTCCAGAAG	CCCTTCCTAG	ACCCTATACT
35151	TCTGGAATGG	CGCCTTTTGA	CTGTACGCTC	ATTGCACCCT	GTACTTCTCC
35201	TTTATGAGTG	GGTGCTGGTC	TGTCCCACTA	GGCTACTTCA	TCCATAAAGG
35251	GAGAGTAGAG	CTTTACCAAG	TCAATGCTTA	AGCAATATTT	ATTGGATGAA
35301	TGTGTGATTA	ATTTCATAGA	AATTTGATGT	GCATTCAAAT	TFACTTATTG
35351	TATTACGGAA	CTTGCATTAT	ATTCTCAGTG	GAGTTATTTT	CTTTCACGTG
35401	TGTAATTCAA	GATAGACTCA	GTGAGATTTT	CAAAATTTGG	AATGCAGTGC
35451	AAGGAAATTG	AACTTGAGTT	CTTTTGCACT	TTGATGGTTA	AAAATTTCCC
35501	ATTTGTGGTG	ACATACCACA	ATAAGCCAGT	GAATGTGGCT	TATTGTTTTT
35551	TGGTCTATAG	AAAATTGTCT	CAAACCTCTG	CATAATGTCT	GGTCTATAT
35601	AACAAAGCTA	GTCCTGTATT	CTGCATGTGG	CTGATGGAAA	CAGTGCTCTG
35651	TTGATCTGGT	TCATGAAGAA	ATCTGTTCAA	TTCTGCATAA	CAGATGCCTT
35701	CATCAGTGTC	CTTCCATGAA	GGAGCTGATC	TTCACAAAGA	ACACATAGTT
35751	TTGCATCCCA	CCACTTGCA	TATTTTTTTT	TTTTTTTTTT	TTTTTTTGAG
35801	ATGCAGTCTC	GCTCTGTCAC	CCTGGCTGGA	GTGCAGTGCC	ATGATCTCAG
35851	CTCAGTGCAA	CCTCTACCTC	CTGGGTTCAA	TTGATTCTCC	TGCCTCAGCC
35901	TCCTGAGTAG	CTGGGATTAC	AGGCGCACAC	CACCATGCCT	GGCTAATTTT
35951	TGTTGTTTTA	GTAGAGACGG	AGTTTCACCA	TATTGGTCAG	GCTGGTCTCA
36001	AACTCTTGAC	CTCATGATCT	GCCTGCCTTG	GCGTCCCAA	GTGTTGGGAT
36051	TACAGGCGTG	AGTCACTGTG	CCCTGCCAGT	ATTGTTTTGT	CTAAATTATT
36101	TGTGCTGATG	TTTTTCTTAC	TGTGGTTTTT	TTTCTGATTAC	CCTTGCTCTG
36151	AGCCTGCAAT	TGACTCATGA	ACTTCTTTTC	CATGTTCTAA	CCTTACAATG
36201	ACTTCCTTGT	GTTCACTCCA	AATGTTTTTC	CCTGGTTGCA	TGTAGAGATG
36251	TATTAGCTAA	GGTACATGCT	TAGCTGCTGT	ATCAAAGAGA	CCCTAATGTA
36301	CAACCCAGGC	TGGTAGAGCA	GCTCTGCTGT	ATGTGTTAAT	TCAGGGACCC
36351	AGGTTCTTTC	CATGTTGTGA	CTCCCCCTT	CCTTAGGATG	TTGTCTTCTT
36401	TTACATGGCT	GAAGTTGGGC	CATTTTCATG	CTCTGTTCCA	GCTGCCTGGT
36451	AGGAAAAAAG	AACAGAAATT	CAGAGTAAGC	AAATTCCTTT	TCTATAGATG
36501	GATGCGGAAG	TTGGACACAT	CATTTCTCTT	CACATTTTCT	CGGCCAGAAC
36551	GTAGTCATGT	GACTGCACGT	CTAGCTGCTA	AGGAGACTGG	GAATTTACTG
36601	TCGGCTGTGT	GGCCTCTGTC	AAGCTAAAAT	TCTTATTACT	GTGGAATAAG
36651	GGAAGGATGG	ATTTGGGGGC	ACAATTAATA	GTCTGTCACA	GAGGCTAAAA
36701	CAGCTGCTTT	TGGCTGGGCA	CGGTGGCTCA	CACATGTAAT	TTCAGCACTT
36751	TGGGAGGCCG	AGGCAAGTGG	ATCACTTGAG	ATCAGGAATT	TGAGACCAGC
36801	CTGGCCAACA	TGGTGAAACC	CTGTCTCTCC	TAAAAATATA	GAAATTAGCC
36851	GGGCATGGTG	GCGGGTACCT	GTAATCCGAG	CTACTCCAGA	GGTTGAGGCA
36901	GGAGAATTGC	TTGAACCTGG	AAGGCAGAGG	TTGCAGTGAG	CCAAGATGGT
36951	GCCACTGCAC	TCCAGCCTGG	CGCAGCAGAG	AAGACTCCAT	CTCAAAAAAA
37001	AAAAAAAAGG	TAAATAAAC	AGCTGCTTTT	GTAGGTGATA	CAAGGTACAG
37051	CTAAGCTTTG	AAGCCAGGCC	TGTAGTTTCA	CCTTCCATAT	TCTTACTCAA

FIGURE 3N

37101	GGCATTATAC	TTCTGGATCT	GAAACCACTG	GATCTGATGC	CCTGCTTGGG
37151	ATGAGTTCTT	TATATTATCT	TGCTTTCAAC	CCACACCTGT	GTAATTTTAT
37201	GGGCAGCGTT	TGTTTCCTAT	ATAGGAACAA	TTTGAAAGTG	GGCTGTTTCT
37251	AGGCTTTTCAT	GAATAGCAGG	CTATGCTGTC	ATTGGGAATC	TGGAGGGAGT
37301	TAATGAACAC	AACTTCATTG	TTTACTTTAG	TGAAATGTGG	CAGCTTATGA
37351	TAGTTTTGAC	AGTGAGACAT	GTGCTGTTTT	GATCTCTCAG	CTAAGATTAT
37401	CTGATTTTTC	AGGCATGTCT	CAAAACTCAC	CAGGCCTGCT	CACATGCTGC
37451	TGCTTCTGAA	GCCAGGGTTT	GGAAACCAGC	TGCCCCATCAG	AATGAGGCTG
37501	TGACTTAGAA	TATTGGTTCT	TGTTTTATTA	CCATTCCTTG	TTTGGTCTCT
37551	CCAGAGTCAC	TGGCCTTTTC	CGCTTCAATT	TTCTTATCGG	TGAAATGAGA
37601	TATTAATTCC	TCTTATTGAC	TTCAATTCAA	TTGCTGAGTG	TATTGTTGCC
37651	TTTGGGAAGT	TCTTTGAGTT	TTCTGTGCCT	TTGAAATAGT	TGTTTTTTTT
37701	TATTCTGGTG	TTTTGAGGCA	TGTTTCAAGT	GAGTGCATTT	ACACTTCTAC
37751	CATTTTAGGA	GCCACAATTC	AGTTATGTTG	TCCCAGCTTG	CTTGGCCCCA
37801	TCCCCAGAGT	TTCTGATTCA	GTAGGTCTGG	GGTGGGGCCC	AATAATTTGC
37851	ATTTCTTCTT	CTTTTTTCGA	GACAGAGTCT	GACTGTGTCA	TCCAAGCTGG
37901	AGTGCAGTGG	CACGATCGTA	GCTCATTTGA	GCCTCAAAC	CCTGGGCTCA
37951	AGCCGTCCTC	CCACCTCACC	CTCCTGAGTA	GCTGGGACTA	TAGGCATATA
38001	CTACCATGCC	CTGCCACCTT	TTTAATTTTT	TGTAAGGATG	GGGGTCTCAC
38051	TGTGTTGCTC	AGGCTGGTCT	TGAATTCCTG	GGCTGAAGTG	ATCCTCCTGC
38101	TTCAGCCTCC	CCAAATGCCG	GCATTCCTGG	CATGAGCCAC	TGCACTTGGC
38151	CAAGACTTTG	CATTTCTAAC	TAGTTTCCAG	GTAATGCTGC	TGCTGGTGTA
38201	GGGACCTCAT	TTTGAGAACC	ATTGTTCTAT	AGCTGTAGCT	ATAGTTAGTT
38251	TCTGGTTATA	GCTTCTTCCT	TTTGTCCCTT	CAGTAATAGT	GTACACATCC
38301	GAAATCCCTG	TCCTTGCTCT	TTCAGGCCCA	GGCATGGTAT	CTGGTCCTCT
38351	TCTGTTGCTA	GCCCTGGGGT	GCTTCATCAT	CCCAAGTTTA	TTTTTCTTCT
38401	CCTAACCTGA	ACCTTTGTAA	ATAGCCCCCT	CCCTAATGAA	CGTCCTCAAT
38451	TCCCTGTTTT	GCGTGTCTTG	TCTGTTTCTT	GGCAAGACTC	TGGATGATTC
38501	AGTACTCAAT	GAGGATTTTT	CGCATAGATG	GATGAAACAG	GCTGGGTTTC
38551	ATGTTTTCTA	AGATAAAGGT	GCTTCTCTCT	TTTTTCTCTG	GTCACTTTGA
38601	CCAAGAAGAA	AATAACAGAG	TTTTTATTCT	CAAGAAGAAT	AATATCGGGG
38651	CCACTCTGCT	CAGAGGCCAC	TCTGCTTTGA	GGACCCCTTC	TCTCCTCCCT
38701	CATGCCAAAG	ATCAGGAACA	TTGGGCAGAG	CGGATAACGA	TGCCGCCAGC
38751	GTCATTACAT	TTTCACGGCA	CTTTCAGTTG	TGCTGAGCGT	GCAAACATTT
38801	CAAGGAGACA	TTTCTAAGAG	GTGGCTAGCA	CAGCATGCCT	CTAATGCCCT
38851	ATGTGAATTG	GAATAGAGTA	CTAAAGAACT	GTTCAATATT	CACCCCATCC
38901	CCGCATATGC	AAGCATGCAC	GTGGGTTTCAT	TGTATATGTG	TGTGTGCACG
38951	TGTGCACAGA	CACATTTGTC	CTTCGTTTCA	AATGCAACAC	AATGGATGGA
39001	AATTGCCTTC	CTGGTACTGG	GGTATGGATG	CAAACACCAA	CAGAGAAGCA
39051	GCCGCTACTT	CCAAACTGAA	CACATGTGAG	ATTTGCCCTT	TAATTAGCAT
39101	CTGCAGCTGC	TGCCATCAGA	AGGGTCTGTC	TCTGTTGGCC	TGAAAGTCTT
39151	TGCTTTAAAA	GAGCAAGTCC	ATTATAGCTC	CAAGCCAGGC	TCGTCTGTCA
39201	GCTGCTGTGC	TTTCTCTGCC	ATCAGCGGGG	TTGCCACATT	GTTTTGGGCT
39251	GTTTCACTCT	AGGACTCTTT	CCTCCTCCTG	TGCCCCCAGC	CTTTGATTAC
39301	CATGCCTTGG	TGATCCTCAT	TTGGGTGACC	TGCAGCTGCT	CATTGTGTGT
39351	GCAGGAGACA	TCTCCAGTCC	TTGTAAGGAG	GGAAGATCAC	TGGCTTCAGT
39401	GCTGATGGAC	TGGTTATTTT	CCAGCCCTTT	GTCGTCACTG	ATCTTGCTTT
39451	GATATGCAGA	AAGGCTCCAG	GTAGTCACTG	AAAAAAATAT	AAGCAGCAGA
39501	GGTGATGGCT	ATATGAAAGT	CACGTTTCAT	CAAGGGCATT	GCTGCTATGG
39551	AAACTTTCAA	TTCACTTGGA	GTAGGGAGCC	ATATTGGTTC	CACAGCCTCC
39601	TCAGCAGTGG	GTCCCAACAC	AGTGCTGGGC	TAGCTGCCTC	TGAATCACCG
39651	CAGTAGCTCC	TTTTACTATA	GATTCTGTTG	TCCACCCCAT	GGAATGTGAT
39701	CCATGAAGTC	TGGGGTTATT	CCCTGGAATC	CTTTAAGCTC	CCTAAGTGAT

FIGURE 30

39751	TGGGATGGGA	AAGAGATATG	CTTTATGTTA	CTATACTTCT	TATTATTATT
39801	ATTTTAAAT	TCTTGCCGGG	CGCAGTGGCT	CACACCTGTA	ATCCCAGCAC
39851	ATTGGGAGAC	CGAGGCGGGT	GGATCACTTG	AGGTCAGGAG	TTCGAGACTG
39901	GCCTGGCCAA	CATGATGAAA	TCCCGTCTCT	ACTAAAAATA	CAAAAATTAG
39951	CTGGGCATGG	TGGCGCATGA	CTGTAGTCCC	AGCCACTCCG	GAGGCTGAGG
40001	CAGGAGAATC	GCTTGAACCC	GGGAGGCAGA	GGTTGCAGTG	AGCCGAGATC
40051	GTGGCACTGC	ACTCCAGCCT	GGGTAACAGA	GTGAGACTTC	ATCTCAAAAA
40101	AAACCCAAAA	AAACAAAAC	CTTTTTTCATT	ATACCGGAAC	GTCAGCTTTA
40151	TGGAGTCGGG	GATTTTTTCT	GTTTTATTCA	CTGCTGTTTC	CCTAACATCT
40201	AGAATAGTGG	CTGGCACGAT	AGGCACTCAA	GTATTGATTT	AGATGAGTCT
40251	ATTTTATTTT	CTTTTAAATT	TTTAATTTTT	ATTAGAGGTG	GGGTCTGGCT
40301	TTGTTGCCCA	AGCTGGTCTC	AAAACCTCCTG	GCCTCAAGCG	ATTGTACTGC
40351	CTCAGCCTCC	CAAAGGGCTA	GGATAGGCAT	GAGCCAACAT	GCCTGGCTTG
40401	TCTTATTTTT	AACAAGCACT	TCTGGTGATT	CTGATGGACA	ATCAGGCTTG
40451	GGAAGTTCTA	ACCTAGAGGA	CCTACAGTTG	TCTTGGGGTA	GAAGCCAAGG
40501	CTATCCTGGT	TTTTAGAATC	AGTGCCTTAC	TGGGCATCTC	TGAAGAGTAA
40551	AAGTCAGGGA	CAGAGTTACA	TTTTGGGACA	AAACCAGATG	CTGTGAATGG
40601	ACTCTTGGTC	ACAACCTGGG	TGGCGACTTG	GTCCTTAACT	TCTTCATCAT
40651	TTTCTGCTGA	CCCTGTTCTT	TGGTTCACAG	CAAGTCACCT	GATAAGAAGA
40701	CTCAAAGACT	GCTAGTTTGT	TACTTTAGAT	GATGCTTTTG	GAACCTCTTG
40751	GTACCATTTT	AACAATCCAA	ACGTATTTTA	TGAAAGCACT	CAAGTCCTGG
40801	GTCTTTATTG	TATCTTTAAG	CTCTAACAGC	ATGATGATTG	AATAAGCTGT
40851	GGTTGGCCAC	ACACAAGCCA	TCTTCCCAT	GGCCTCCATT	CATACTAGAA
40901	TGAGCAGCTA	TACCCAGTA	GTATAGTTTT	GGGATATGGG	TAACATCTTG
40951	GGATAGCCAC	ATTTACTTAG	TAAATGTCTG	GCTTACATTC	TCCTAATGGT
41001	GCACTGTTGG	AATTTTTGGT	GTGGTAACCT	GGAATAGTGT	TGGTGGGTCA
41051	AGTTTGATTA	GCATCTTTGA	TAAGGACCCG	GTCTATTTAG	AGGTTTGTC
41101	TTGAGTGTTG	CTGTTTTGGC	CTCATGTTGT	GAAGCATGCT	GTGTAGCAGC
41151	TGTTGTAATT	TTTGTTCCTT	GTTTTCTCAA	TCAACCCTGG	TTTTGAAGAA
41201	ATGGGAAGTT	GTTCCACTCT	TAGACTGATC	TGACTTGGA	GGGGATTTC
41251	AGTTCAGGAA	GTTGGATCTT	CTGAATGGAA	GCAAAGAATA	CATGTCTTTT
41301	TGCCACTTTA	CAAGCTGGCT	CTTGTTTTCT	GAACATTTT	ACTGGTCATT
41351	GCAAATAGAA	TGTCAGGAGT	AGCTGCCAAA	TACTAAGTTG	TGTTCAAGTT
41401	GTCAGTTCTT	AAGAGTTGCC	GGTGGCTGCT	CTGCTATGCG	TATGACTTTC
41451	TCAGCCTTAA	ACTTACAAGC	CATACTGTTT	TTTTCACATC	TTTAATACAG
41501	CCATAGGAAA	TTTATAACTG	TGGCGTGTCTG	TCATAAATAT	GCATTGTTCT
41551	TATTTTAAGA	CATTTCACTA	CTAAAAGTAT	AAGTACTTCT	GTTATTATCT
41601	GTGAATTTCT	TTCTTCTTCT	TTTTTTTGGA	TATTTAAGAC	CTTTTCGATG
41651	TCAATATATA	TTTAAAACAG	ACATATAAAT	TAGCATTAC	CCACATACCC
41701	AGGGCCTATG	GAGAACCAGG	TTGGGATGAG	TGGGTGAGCT	ACAGGCAGCC
41751	AGGTGGCTCC	TGTGGGCTCC	TCGAGGACTG	GGGTGAGTAA	CTAATGTCTG
41801	CTAGGAACTT	GGGGGAAAGA	AGGTGTGTAT	GTTAGGTGCT	GCCCCCTTCT
41851	AAGTGTTCTT	CTTGTTCTA	ATTGATTTTT	TTTTTTTTTT	TTTTTTTTTT
41901	TTTAGAAGGA	GTCTCGCTCT	GTTGCCAGGC	TGGAGTGCAG	TGGTGTGATC
41951	TCAGCTCACT	GCAACCTCTG	CCTCCCGGGT	TCAAGTGATT	CTCCTGCCTC
42001	AGCCTCCCGA	GTAGCTGGGA	CTACAGGCAT	GCACCACCAT	GCCCAGCTAA
42051	TTTTTGATTT	TTNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
42101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
42151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
42201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
42251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
42301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
42351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN

FIGURE 3P

[illegible]

FIGURE 3Q

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1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

53001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
53951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
54751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNTTCTAA	TAAGTGTGCT
54801	TTCTACTACA	TAAAGCCTAT	TTTTTTTTTT	TTTTTTTTTT	TTTGAGATGG
54851	AGTCTTGCTC	TGTTACCCAG	GCTGGAGTGC	AGTGGCACAA	TATCGGCTCA
54901	CTGCAACCCT	GCCTCCTGGG	TTCAAGCGAT	TTTCCTGCCT	CAGCCTCCTG
54951	AGTAGCTGGG	ATCACGGGTG	CCCACCACCA	TGCCTGGCTA	ATTTTGTAT
55001	TTTTAGTAGA	GATGGGGTTT	CACCATGTTG	GCTAGGCTGG	TCTTGAAGTC
55051	TTGACCTTAG	GTGATCCGCC	TGCCTCGGCC	TCCCAAAGTA	TTGGGATTAC
55101	AGGCATGAGC	CACTGTGCCT	AGCCTGTGAA	GCTCATTTCT	TAAGGCTCTG
55151	ATAAATGTAT	ATGTTTTAGT	TTCAACCAAA	AGGAAAAGGA	ACGTATTTCC
55201	TAGATTTTGT	TATCTCACCT	AATTTTCATC	TTTCTGGAAT	GCTTAATACA
55251	TATTTTATG	TACATACATT	ATTTGTTATT	CTTGAGCCTC	CTCTTGAGTG
55301	AAAATTTCCC	CTTAGATGAC	TCTTGGAGCT	AATTTATTTT	CTTCCCTTTA
55351	GCTCACTCAC	TCATTCAATC	ATTCAATAAC	GAGTGCGTTA	TCATACCAGG
55401	TACTGTTAGG	TAGCAGGTTT	ACAGGGATGA	GCAGAAGAAG	CAGGCCCTCT
55451	CTGCCTTCTT	TCTTTTTCAT	CACACTGAAA	TCACAGCGCA	TTGTGTGTGT
55501	GCAAAAGTAG	AGTGCAGAGG	GAACATGCAG	AAAGGAGTTA	TAGGATAGAA
55551	AAGGTAGCCA	AGGAAAGCAG	CAAGAACAGC	ATGATTTGTT	CAGGGATCTT
55601	TAAATAGCTC	ATCATTGTTG	GACAGCAAAG	GGAGAGATGG	GGAACGTGGC

FIGURE 3U

55651	AAGATGAGAT	GAGAAGGGGA	GCCGGGGTCA	AGCCATGGAG	GACGCTGAAC
55701	CCCTACAAAG	GAACCTAAGCC	TATTGATGTG	AACAGGCCAC	TTATTTTGGG
55751	AACACGCCTT	TGGTCCAAAG	GGAAGAGGGC	ACGAAACTTC	CTTCTCTAAA
55801	AAACAAAAAA	AAAGAAACTT	GCATATATGA	GAAATACTTT	CTTCACTTTG
55851	CAGCATGAGA	AACGGAATCC	CTACTAAGGA	AATAATTCTC	TTATTTTTTT
55901	TGGAACAGCG	GTTTTTGAAA	TTTCCAGATG	ACCCCAAAGT	GAGCAGTGAC
55951	TTTCTTGATC	TGATTCAAAG	CTTGTTGTGC	GGCCAGAAAG	AGAGACTGAA
56001	GTTTGAAGGT	CTTTGCTGCC	ATCCTTTCTT	CTCTAAAATT	GAAGGGAACA
56051	ACATTCGTAA	CTGTAAGTAG	GGCTGTTTTT	CTTAATTTGG	GATGTTGGGA
56101	TTATGAAACA	CTCAAGAGAG	ATCTGAGATT	GTTCTGGCCC	AAAGAAGCTT
56151	CTGTAAATTA	CATAAATAAA	GGCTTTAATT	ATCTACAGGA	GTAGTAAAGG
56201	CTAATGATGT	AGCTGTCTTT	GAGTAATAAT	TCTGCCTTAA	AATTGTTTGT
56251	GTAGAACTGG	GTCATTTATC	AAACTCTGTG	TTTATGTGGC	CTTTAGAATA
56301	TTATCCCTCA	GTAAGTTAGA	GGCACAGATT	AATGGAGTTT	GAAGGTTGTC
56351	ACTTGGTTTG	ACACAGTTTC	TTCCAAAAAA	GTGGATCTAG	GTATTTTCATT
56401	CACATATCAG	GAAAAAGACT	CAGATTAGGC	AACATGCCCC	GGTTGTTCTG
56451	CTAATGGCTG	AGTTTAAACA	AAAACCATAA	ACACCTCCCT	GTGTTTATTC
56501	ATTTGTTTCC	CTCGATAATA	TTTGTCTTTG	CTCACAAGCA	TGTAAACCT
56551	ATAATGTATA	TGCACAGTAG	ATTCATTCAT	ACATCACTTT	TTATAATCAG
56601	TTAGTGCAAA	CTGAATGAAT	TCATTAAAAA	CAAAGACCTG	GTTTATTATC
56651	AACAGAAACC	ACACAATGCT	CTTTTTTCTT	TTACCAGTTG	GTGATCTTTT
56701	AAAAATCCTT	TTAATTCTTG	GATGTGTTGT	TGATTGAATG	TGTTCTACTG
56751	AATGATCAGC	ACGGATTAGA	GCCAGTAGGA	AAGCAGTTAT	CCTGTTTGAG
56801	TATGTGTTTT	GTTTTTGGTG	ATGGAGGGAG	GTTGGGAAAT	GGAATCTGTT
56851	TCTAGGTGTC	AAAACCAGGC	TTCTGATTGG	AGATGTGTTA	TAATTATAAT
56901	TGCTTGCAAC	TTCAGCTAGG	ACATAGTATG	GTAAAAAATC	AGTATTGTCC
56951	AGTTGTAAAC	CATTTTGATG	GTTTCTCTAA	CCTTCTGCTG	AAATATTTAA
57001	GTAGGTAGCA	TTTCCATAAA	TCTTTCTTGG	CAAATGTTTT	TATTATTGCG
57051	TGGGCCACAT	TGCTTTATTT	TTCTAAATAA	ATAGACATCT	CCCCCAAAT
57101	CTCCAAGGTT	CAGACCTTCT	AATCAGTAAT	ATATTTTCAG	GGCATTCTTC
57151	CTTTTATGCT	TTTAGAAAGA	TGTAATAGAC	TTTCTTTTAG	ATGCTGTTCA
57201	AGTACTTAAT	CTTTTCTTGT	CTTGCCTTTT	TATCTCTGTA	ATCTTCTTGA
57251	ATAAGCAGTT	AATTTTTTTT	ATTCATGAAC	CTGCTGATCA	TGTCTAAGAA
57301	TGTATCTCCA	CTTAAGTAAG	TCAGTGAATG	GTGATTACCT	GAGTAGAGTT
57351	AAAGTAGTCC	CCCACCCTCC	TATCTGTGGC	ACATATGTTC	CAAGTCTCCC
57401	AGTGGATGTG	TGAAACTGAT	GATAGTACTG	AAACCCATCT	ACCTTTTTTC
57451	CTGTGCATAC	ATACCTATGT	TATATAAAGC	TTAACTTATA	AATTAGGCAT
57501	AATATATTTG	ACTCCCAGCT	CCCAGTGTAG	TGGCTCTGAA	GAAGTCAAAA
57551	ATGTATTTGC	TTTAAAAAAT	TCTTTTTTTT	TTTTTTGAGA	CGGAGTTTTG
57601	CTCTTGTTGC	CCAGGCTGGA	GTGCACTGGT	GCGACCTCAG	CTCACTGCAA
57651	CCTCCGCCTC	TTGGGTTCAA	GCGATTCTCC	TGCCTCAGCC	TCCCAAGTAG
57701	CTGGGATTAT	AGGCATGCAC	CACCACACCC	AGCTAATTTT	CTATTTTTCG
57751	TAGAAACGGT	TTTTCCATGT	TGGTCAGGCT	GATCTTGAAC	TCCTGACCTC
57801	AGGTGATCTG	CCTGCCTCGG	CCTTCCAAAG	TGCTGGGATT	ACAGGTGTGA
57851	GCCACCACGC	CTGGCCAAAA	AATTCTTTTA	ATTTAAGTAA	ATCTTTATTT
57901	ATTTACTTTT	GAGACAGAGT	CTCACTCTGT	GGGCCAGGCA	GGAATGCAGT
57951	GGTGTGATCA	CGGCTCACTG	CAGCCTCGAC	CTCCCATGCT	CAAGCAGTCC
58001	TCCCACCTCA	GCCTCCTAAG	TAGCTAGGAC	TACAGGTGTG	TGCCATCACA
58051	CTCTGCTAAT	TTTTTTGTAT	TTGTAGAGAC	GCGGTTTCAC	CAGGTTGCCC
58101	AGGCTGGTCT	TGAACTCCTG	AGCTCAAGTG	ATCCTCCTGC	TTTGGCCTCC
58151	CAAAATACTG	GGATTACAGG	CGTGAGCCAT	TGCACCCAGC	CCTAATTTTA
58201	ATAAATCTTT	TATTTTGGA	TAGTATTAGA	TTTATAGAAA	AGTTGCAAAAG
58251	ATAGTATGGA	AGAGTTCCCA	CATACCCTTC	ACCCAGTTTT	CCCCAACGTT

FIGURE 3V

58301	AACTCTTTTT	TATATTTATT	TATTTATTTT	TTGAGACACA	GTCTTCCCGT
58351	CGCCCAGGCT	GGAGTGTGGT	GGCACGATCT	CGGCTCACTG	CAACCTCCGC
58401	CTCCTGGGTT	CAAGTGATTG	TTCTGCCTCA	GCCTCCGAGT	AGCTGGGACC
58451	ACAGGTGTGC	GCCACCATGC	CCGGCTACTT	TTTGTATTTT	CAGTAGAGAC
58501	AGGGTTTCAC	CATGTTGGTC	AGGCTGATCT	CAAGCTCCTG	ACCTCAGGTG
58551	ATCTGCCTAC	CTTAGCCTCC	CAAAGTGCTG	GGATTACAGA	CATGAGCCAC
58601	CGCACCCAGC	CCCCAGTGTT	AACTCTTACA	TAACAGTGTC	ACTGTCTAAG
58651	TGTTTGAAAA	ACTATTTGTC	AAAACATAA	TTGGTACATT	ATTGTAACT
58701	ACACTTCAGA	CTTTTTTTGG	ATTTTACCAA	TTCTCCCACT	CATGTCCCTT
58751	TTCTGTTTCA	GGAATCAATC	CGTGGTACCA	TATTGCAGTT	AGGGTGTTTA
58801	TATTTGATGG	GA CTGGTCCT	AGTTTAGATA	CTTAGTGTAG	CTCAGCCAGC
58851	AGGTGGGATC	TTCATGCCCA	CCGAGGATTG	GTATTGTGTT	TTCCTGGTGG
58901	TTTTATGGCA	TTTCCGACTA	TGCAGAGAGG	CATGGTATTA	ACTTCAGTGT
58951	CTCCTAGCAA	ATTTTCCTGT	TTTTCACCAA	CCTCTGATCC	CTGCATTATT
59001	TGCAATCAAC	TCAGAGATTT	GTGATTGAAA	ACATTGCTTG	ACTCCATGCT
59051	CTTTAAGCTA	TTTTCTAAT	AGGTAAGTGT	AACATAAATT	ATGCTTTTAT
59101	CTAGCACTGT	TTTTCATAAA	CACATGTTGA	GTGATTTTCA	TCAACCGAAA
59151	TACTTCGAAT	CATTAAGTTT	CCCAAGTTCA	TGGATGCTGC	TAAATGCCT
59201	GGTGGTTCCA	GGCTGTCGAA	TATTTCTGCC	TTCTGCAATA	AGAGATTGTC
59251	CCTTGTTAAA	AGCAACATTA	GCCTTTGTGC	GGTTTCACCC	CCAATTCCTC
59301	TTTTTCTTGT	TGTAACCAAT	GAAAGGAAGT	ACTGCTTAAC	ACAGCAGGTA
59351	ATAATCTTCT	AAAACCTCATT	ATCTCAAGAG	GTGGTCCTGG	CAGGATATAT
59401	AAATGCAATT	TAAGAAAGGT	CTTGGCAAAT	TTATGAATGA	CAGAACTGGG
59451	AGTGGCTACC	GAGAGAAACT	AGGATGCGCC	TTTGCTTTGA	CACTGAGGTC
59501	AGGCGTAGCT	TCTGTACCCT	CCTGGGTCCT	GCCTCTTGGG	GTTGCTGCAG
59551	GCAGCACCCC	ATGAACCAGG	CATCTGACCC	AGTTCCAGGA	TACTTATTCT
59601	TCCAGCAAGT	CGAACACTCT	GTGATGAGTG	ACTGCCATGC	TCATGGGTCA
59651	CCAGGCTCTC	ATTATTCTGT	TTCATTTCCA	GCCTCCCACA	AGATTGGTTT
59701	TTCAGCTGCT	TATTTATTAT	TATCATTATT	TCAAGGCTGC	TTTCCAAGTT
59751	TCAGTGGGGG	GTTTCCTAAG	CGTACCAGCT	GCCCTGGTTG	TGCAGTTCCG
59801	GTGATGTTTC	AGATGCTGGG	CCGGATTCTG	GCTGTACCCA	GCCTGATCTT
59851	TCTGGGCTTC	AGGAAAGCTG	AAGCCAATCA	GAGCTCCTCT	TTCATGCCTT
59901	TGGGATTATG	CTTACCTTGC	CTGGCATCGT	GTACCTGCTC	CCATCCATGG
59951	GAAAGTTTTG	CTGTCTGGTA	CTGTCTTCTA	TCAACATCTT	TTAAGATATC
60001	TTCCCCCGAG	GCATCGTGAT	GTCAACGGAA	CCAGCACACT	TGTACGTTTT
60051	ATGCAAGACT	GCCATATCTC	AACAGTGAGA	AATGCATAAT	GGAAGTGGTG
60101	ATCACGGATT	ATTTCCTAGG	ACATTATGGC	TAATGCGCTA	GAGAACTCGG
60151	ATGGTCTGTT	GCGTCTGACA	TGGGCTTTTT	CTCTTGAGTT	GTCTTTCTTT
60201	TGCTATTCTC	TGAAAGAAAC	AATTCTTGCC	ACATGATCCT	GATTTTTTCA
60251	GTCCTCAGCA	TTTGTTAGCA	GAAAGTACAC	TTTGTTTCCA	TCCGGCAGTG
60301	ACTCAGTGGT	GGTCCCATGC	TGATGAAACG	CTGAGATAGT	CTTCTTCCAA
60351	ATAGGTATCG	TTTTGATTGT	TGCTGCTTAT	TTGCTAGCTG	GCCCTCAATA
60401	GTGACAATGA	AACCTCAAGT	GTATAATATG	GTTGCTCAGT	AATCCTGAGG
60451	GAAGACAGTC	TTTGGTTTGG	GGGATAGGGA	TTCTGTGCCT	ACTTAGCTTC
60501	AGGTGAAAGT	CTTACAAATT	TTTGTGTGTA	GAAATAAGCA	CCATGTACCT
60551	CCTTGGGTTT	TTTCTTTTTT	TTTCTAGTCC	TTTAGTATGG	TCAACAATAT
60601	TGTTTAGGGA	GTACCTATTG	TGTGCTAACC	ACTAGGCATT	CAAGTATATT
60651	ACACTATGCT	CCTTCAAAAC	ACTTCTGTCA	AATGTAAGGA	TTATTATACC
60701	CATTTTACAG	ATGTGGTTAC	TGTGGTAACT	TGGCCAAGGT	CATAGGGCAA
60751	GTGAATAAGG	GATTCTGGAT	TTGGGTGGAG	GTCTGTGTGA	TTCCAAAGCC
60801	CATGCTCTTT	CTACAATACT	ATATATGCCT	TTGCATAAGT	TATTGTTATT
60851	AGTAATAATA	TTTGTGATGA	TGGCAAATAA	TAAACCATGT	CACACTAGAG
60901	AGTGATTTAA	TCTCTAGGTC	TATTTAAGAA	CATTTGGAAT	TGCAGGAATT

FIGURE 3W

60951	GGATTTTTTT	TTTTTTTTTAA	GTGATGGAGT	CTTGCCATCT	TTGCCCAGGC
61001	TGGTCTCAAA	CTTGTGGGCT	CAAGTGATCA	TCCTCCCTCT	GCCTCCCAAA
61051	GTGATGGGAT	TACAGATATG	AGCCACCATG	CCCAGCCTAG	AATTGCAGGA
61101	ATTTTTGAAT	TGATGATTCA	TTCTGATATT	TGAATTTCTA	CAGTATGTTA
61151	AGTGCAATGT	CAGGTGCTGG	TGCTGTGGCT	CCATTGATGA	ACACATTTGG
61201	GTATGGCCCT	ACCTTCATTG	AATTTAGAGT	CTAAGAGCCT	AACCGGTCTT
61251	TTGCTTGAAT	AGAGCTGTAG	TCCTGTTAAA	TTGCTGTACC	TCCAAATGGT
61301	GGGAAGTTTA	ATGCTTCGTA	GGCCTCCCCT	CACTAGTTTA	CTGAACCACA
61351	TGTGCTTGAT	TTTTTTTTGA	GATGGGGTCT	CGCTCTGTTG	CCCAGGCCGG
61401	AGTGCAGTGG	CGTGATCTCG	GCTCACTGCA	AGCTCCGCCT	CCCAGGTTCA
61451	CGCCATTCTT	CTGCCTCAGC	CTCCCGAGTA	GCTGGGACTA	CAGGTGCCCG
61501	CCAACACGCC	CGGCTAATTT	TTTTGTATTT	TTAGTAGAGA	CAGGGTTTTA
61551	CCATGTTAGC	CAGGATGGTC	TCGGTCTGCT	GACCTCGTGA	TCCACCTGCC
61601	TCAGCCTCCC	AAAGTGCTGG	GATTACAGGC	ATGAGCCACT	GTGCCTGGCC
61651	CCACATGTGC	TTGATTTTAA	GCAAAATACA	GACTATAGGC	TGTGACCTGG
61701	TGATCTCTTC	CCCACATACA	CATCCTTGCT	AACCTATAAC	TCTCCCCATG
61751	TCTCAGATCT	AGCCTGGGAA	AGGACAATGT	TGGATCGATG	GCCCACCTCT
61801	AATCTTGGGA	TTTCTAATCT	CAAGATGAGT	TGAGAAGACT	CAGGATGTGT
61851	CCTGTTTTCT	GTTTATTTAG	AACAGGGTTT	CTCAGCCTTG	GCACTGTTGA
61901	CATTTGGGGC	CAGATAATTC	TTTGCTGTGG	GGGCTGTTGT	GTGAATTGCA
61951	GGATGTTGAA	CAGCATCGCT	GTGCTTTCTC	CATGGATACC	AGTAGCACCC
62001	TCCCCCTGCA	GTTGCAACAA	CCAAAAATGA	CTCTAGACAT	TGCCCAGTCT
62051	CCCCTTGGGG	GCTACAGTCA	CCTTCAGTTG	AGAACCATTG	ATTTAGAAGA
62101	ATTGGCCAGG	TTATTATCAG	GAGAGGGAAC	ATCACAGTAA	TCTGAATCTC
62151	TCAATACTGC	CACTGTTACT	GTTAACGAAC	AGCAAAACTA	TTACGTGGAG
62201	GCAGTAGGAC	CTTGCTACTC	AGAGTGTGGT	CCGTGGACCG	GCAGCATCGG
62251	AATCACTAGT	GAGCTTGTTA	GAGCTTCAGA	GACTCAGGCC	TACTGAGTCA
62301	GAACTGTCAT	TTTAATAAGG	ATCCCCAGGG	GATTTCTGTG	CATATTAGAG
62351	TTGTGAAGCC	CTGCAAGAGG	AAGAAATTGG	ATGCTAGCCT	CAGAGTTTCT
62401	TGCTCATCTT	TGTGGGTCTT	CCTCGTTTTG	TCTTCGGGCT	TAAGGTATGG
62451	GGAGGCCACT	TTTTGGCTCA	GGACTCCTAT	GGGTGAATGG	GACTGCTTAG
62501	AACTGCTGGG	TTTTAGGCCT	TGCTTTGAGG	AATTTAAAGC	TTTTCTCTTA
62551	GATGGACATT	ACATCGTTCA	TATACTTCAA	AATGGTGGTT	TGACCTAATC
62601	TCTGCCTTCT	GATAGCAAAA	AGATATTTCC	TTGACTCCCT	GAACCCCACT
62651	TTACTGTTGT	CCCATATTGG	ATTTTAATTA	AGGGTGGAAT	AAGTATTCTT
62701	CACTAACATG	TTTATACATG	TATGATATTA	CCATGCCATT	TATTGAGTGC
62751	CTAGTATGTG	CCAGGAGCTC	TGCAAAGTGC	TTTATGCTTA	TTATTGTTCC
62801	ATTTATTCTT	CCCCAAACCT	CTGTGAGGCA	GGTCCTATCA	CTAGTCCACA
62851	ATACAAATGA	GGTCATGGAG	CCCGAAGTTG	GCAGTGGTAG	GAATCAAACCT
62901	CAGGTCTCCC	TGACTCTAAA	TTCTCTTTGC	CTTTGTTTTT	TTGAAAAAGT
62951	GGTATAGCCC	ATAGCAGAAA	ATTCACATTA	TACAGAAGGT	TATACGGCGA
63001	AAAATGCCTC	CTTCCCACCC	CACGCTCAAC	CCCTCTCCCT	CAAGCGAACC
63051	ACTATTGTCA	GTTTCTCATA	GAACTTTCCA	GAATATTCTA	TGCTCCTATA
63101	ACACTAGCAC	AACCTATCCT	CTTAACAACA	TCTTTATGCT	GCCTCCCAAG
63151	AATTCAGTAA	TTTTTTTTTT	TTTGAGATGG	AGTTTTGCTC	TAGTTGCCCA
63201	GGCTGGAGTG	CAATGGCGTG	ATCTCGGCTC	ATTGCAACCT	CTGCCTCCCA
63251	CGTTCAAGTG	ATTCTCTTGC	CTCAGCCTCC	CGAGTAGCTG	GGATTACAGG
63301	CATGCGCCAC	TATGCTTGGC	TAATTTTGTA	TTTTTAGTAG	AGATGGGGTT
63351	TCTCCATGTT	GGTCAGGCTG	GTCTTGAAC	CCCAACCTCA	GGTAATCCGC
63401	CCACCTCGGC	CTCCCAAAGT	GTTGAGATTA	CAGGCGTGAG	CCACCGCACC
63451	TGGCCAAATT	CAGTAATTTT	TATTGGCAGG	TTATTTTCCC	GCATCATTGA
63501	AATGAATGAA	GCAATCTTTA	TACTTCATT	ATTTAAGCAT	GGCCCTACCA
63551	TGCTTATCCT	TCGAATCTGC	CACTCAGCCA	TTGGTTTCTG	ATAAGCAGTG

FIGURE 3X

63601	CTCTTCTCAA	ATGAAAACCC	CTTATGGCTT	TTTTTTTTTT	TTAAACAAGG
63651	CCACAGGTGA	TATCATGATT	TTGACATTAT	TTTTTCATTT	ATTTTGTTTA
63701	GTGTCCTGCC	TTTAGAATTG	CATTATCTCA	ATGGCTTGTG	CATTTAGTGT
63751	GTGTGTGTGT	GTGTGTGTGT	TGTGTGTGTG	TGTGTGTGTAT	GTGAGCACGC
63801	ACATATTTGT	TTTGGGCCCT	TTTTTTTTTT	TTTTTTTGAGA	CAGAGTCTTC
63851	CTCTGTCAGC	CAGGCTGGAG	TGCAGTGGCA	CAATCTCGGC	TCACTGCAAC
63901	TTCTGCCTCC	TGGGTTCAAG	CAATTCTCCT	GCCTCAGCCT	CCCACGCAGC
63951	TGGGATTACA	GGCATGCGCC	ACCACGCCTG	GCTAATTTTT	TTGTATTTTT
64001	AGTAGAGACG	GGTTTCACCG	TGTTGGCCAG	GCTGGTCTCG	AACTCCTGAC
64051	CTCAGGTAAT	CCGCCCCGCT	CGGCCCTCCA	AAGTGCTGGG	ATTACAGGCG
64101	TGATGTTTTG	GGCCTTTTAA	AGTTCATCTT	GTTTGTGTAT	TCATTTGTTT
64151	GGGGCCTTTT	AAAGTTCTTC	TTGTTTGAGG	CTTCCTGTCA	TTTGAAGGGT
64201	TATCTGGTCA	TGTTTTGTTT	TCTAAGCTAG	TTCCATGAGG	ATCATAGATA
64251	TGCTTCTCTG	TTAGGCTTGG	TTGGCCCTTA	AACTTGTCTT	CCTTTTGGAC
64301	ACTCACTTAC	TTCAGGGGCA	GGAGGAAGTG	AGGAAGAGGA	GTTGGGTCTG
64351	TTTGGAGTAT	CAGCATGGAC	GGGAAGGGGA	GCAAGAGGGA	TGGGATGGTA
64401	AAGTAGTGAT	GGTAGAAATT	CAACTTACTA	GACCAGGAGC	GTGTGGGCGC
64451	CACCTACTAA	AACAAAAAAG	GAATAATGAA	GAGCTATAGT	CAGTAGCTCT
64501	TATAATCTCT	TATGGGATAT	GTAGGCAAAT	ATTTATGTGT	CTCTTCGGGG
64551	CTGTTCTGTT	TTTAGAAGGT	AAATGATTGG	TAAGAAAAAA	TAGGCCAAAA
64601	AGAGCTAAAT	GCTTATGAAT	TAGGATTATA	GGATTTTCCC	CCACTAGTCT
64651	GAATTTAGAA	GCTACTTCCA	GAGATGTCAA	AAATATGTAA	TATTCTACTT
64701	TATTCCAAGA	TAAATTGAGG	GCAACTTATT	CTAGAAATAA	TTGCAATATT
64751	AAAAATATAA	CAATGAATAA	ATAGAGAAAT	CTAGATGAAA	GGAGTATGAG
64801	GATAGGGAAA	TAAAGTTAGG	GTTGAAAGTA	AAAACAAGGA	AGTTCCTGTT
64851	AAGTTGCCAA	AGGAAGAATG	ATTTGGGACT	CTCAGTCTCC	CAGTGACCAA
64901	AGCAGAAAGG	AGAATATAAA	CAGTTACAAG	AGCCCCAGTC	GCATGAAAAA
64951	AAAGTCCAGA	ATGCTCTGCT	CAGAGGAGAC	CCAATTTTCT	GAATACTGAG
65001	CCCTGAGGAA	TTTCACCACT	GGGTTTCCCA	TAAATGAGAC	CCCCTGTGAC
65051	CTGGTGGGCC	CCATCCCTCG	GAAGTGTACC	CTGGCATTTC	CATAGGACTG
65101	CTTCCTTCTG	GGCCTCTTAG	TGCAAGCCAG	CAGTGCAATG	CCACATCCAA
65151	GTTTGGTAAA	TCAATTCTAA	GTGAGATAAA	TTAATGCCTT	TTTTGGGGGA
65201	AGATGGGAAA	CAGAGTGGGT	TTGTTGGAGA	GCCCATAAAT	TGGAGTCTTC
65251	AACCCTTAAA	TTCTCACTTG	CGGGAAAACC	TTTCACAACC	AAGCAAACGT
65301	GGAAATGATT	TGGCCAAAGA	TTCAAAATTA	TATTAACAT	CTGGGACTAT
65351	ATTCAGCAGC	CAACTTTCTA	ATCAATTCTA	TGAGTGTGGT	GATTGCAGTT
65401	ATGCTCATTT	TCTGAGGGTG	AAGTTTGGAT	AGAACTAAAA	AGGGCGGTTG
65451	GCAGGAATCA	AAAGAGATGA	AAGCCTCAGG	ACAAAGAGTT	AGAGGCCAG
65501	GTGGTTCATG	ACTGAGAGTT	TGGAATGAT	TTCTGGTGTC	TCACTTCAGA
65551	GAAAATAAAT	ATAGCCAACT	CTGTTTCATCC	GTGGTGATGG	AACATTCAAC
65601	TACAGCACTG	GCAGTTTGGG	ATCTAAGACC	ACCCTTCCAG	CACTTCAAAA
65651	TTCTGACTTA	TAAAGGACAC	ACACAAAGAA	CAGATAGCCA	GATAGAGACC
65701	AAAATACCCA	CTTTATTCTT	GGCAGGGCAA	GCACCCAGTA	AGCTCTGATG
65751	CAGGGCTCTG	GTAAATTTGC	CCATCCTACC	AACAGAGAAG	AATGGTGGCC
65801	TCCCCTCATG	AACGGGGTCG	GAGGGGGGCC	TTGCCACAAC	AGGGGGCCTG
65851	ATGGAAATAA	GGGGGACAAG	AGTGTTTCGGT	TGGTTGAGTG	CCTGCTATGC
65901	CTGTGCCTAG	GCAGTAAAAG	GGGAAGTTTT	AAGTTTGGCC	CTTACTTTCA
65951	AGACATAGTA	ATTCTACCTT	CTAGTAAAAC	ATGGCCAAAT	AAATGTCTGC
66001	TTTTCATGAG	CCAGATAACC	TCCTTCTTCT	TTATTGGAGG	AGTGAGTAGA
66051	AGGGTGAGAC	TAGCCGGGTG	CGATGTCTCC	AACCTGGGCG	AAAGAGCAAG
66101	ACTCCATCTC	AAAAAAAAAA	AAAAAAATTA	AGAATAAATC	TTTTCACTGT
66151	TGGAGAAAAG	TTTTGAGAGG	CCGAGGTGAG	AGGATCACTT	GAGGCCAGGA
66201	GTTTGAGACT	AGCCTGGGCA	ACATAGCAAG	ACCCCTGTCT	CTATCAAAAA

FIGURE 3Y

66251	ATAATAATAA	AAAAAGCTAG	CTGGGTATGG	TGGTGTGCAC	CTGTAATCCC
66301	AGCTACTTGG	GAGGCTGAGG	TGGGAGGATT	GCTTGAGCCC	AGGAGTTCAA
66351	GCTTATAGTG	AACTATGATT	GCACCCCTGC	ACTCCCTCCT	GGGCATCAGA
66401	GTGAGACACT	GTCTCTAAAA	AAAAAAAGTT	GGAGAAAAGG	ATACTAAAGA
66451	GATAAAAGGG	TACTAAAGAG	ATCGGGAAGG	CAGCAAAGAA	TGAATCTAGT
66501	CTGATGTGTT	ATTGGGTGTA	CGTAATTCAT	GGCGGAAGGT	GCTGAAAGGG
66551	AAGGTTGCCT	GGGCCTACAG	CAAGCAGGTG	CTGATGAACT	AGCTCCTTTG
66601	CTATTACTTA	AATGTGTCCT	GGTTGGGCCA	GATGTGGTGG	CTCACACCTG
66651	TAATCCCAGC	ACTTTGGGAG	GCCAAGGCGG	ACGGATCACT	TGAGGTCAGG
66701	AGTTCGAGAC	CAGCCTGGCC	AACATGGTAA	AACCCCGTCT	CTACTAAAAA
66751	TACAAAAAAA	GTATCCAGGC	ATGGTGGCAG	GTGCTTGTA	TCCCAGCTAC
66801	TTGGGAGGCT	GAAGCATGAG	AATTCCTTGA	ACCCGGGAGG	TGGAGGTTGC
66851	AGTGAGCCGA	GATCATGCCA	CTGCACTTCC	AACCTGGGCA	AAAGAGCAAG
66901	ACTGAGTTCT	CAAAAAAAAA	AAAAAAAAAA	ATTCCTGGGG	AATATCCACC
66951	AGGGTGAAAA	ATTGGGTATA	TCCAAATTCA	GCTTTGCAAA	GAAATGCACT
67001	CATGACTAGT	TGCAATTTGA	AACGTTCTCT	TTCTGAGTAT	TTCTAGCCTA
67051	TGTAGGTGTT	TCACAGATTG	CTGAGTACCT	AGACTGAGAG	GGAGAGAAAA
67101	AAACAAAGTA	AAGCTAAAAT	GTTAAGAAGT	CTGGTTAAAG	TGCAATCCAG
67151	AAGTGAGGGA	AAGCATCTCT	AAAAGTATGA	ATCTTTGGGG	AAACATAACT
67201	TGATTACCAA	AAACTTAATA	TTAAGCAGCC	TCATAGGAAC	ATGGCTTTTG
67251	GGTATGGCGA	GAGCCAGCTA	GAGCTCACAT	CTCCATTGAA	ATCCACCACC
67301	AGAGAGGTTA	TCTGCCTAGT	TGTTGGCAGC	CAGACCCTGG	CATTGTTTAG
67351	ATTGATTGAT	GGAAGGCTAC	TTTGGGAATG	CTGGCTTCCT	TATTCATTGA
67401	CTTTAAAGAC	AGCATTGTAA	AAATTGATCA	CCAGCCCAAA	TCAATGTTAC
67451	CCTGAAGTAT	TTTTATGACT	TTTTGGGGAG	GCAAAGAGAT	GGGATAATTT
67501	TTGATTTATT	TAAGTCTATT	GCAAAGTGA	ACTCCTTTGT	CTTCTTTTGT
67551	AACTACCTTT	TTTGTTTTTT	TGAGAGAGAG	TCTTGCTTTG	TTACCCAGAC
67601	TAGAAACAG	TGATGCAGTC	ACAGCTGACT	GCAGCCTTGA	CCTCCCAGAC
67651	TCCGATGATC	CTCCCATCTC	TCCCATGTGC	ATCACCACAC	CCGGCTAATT
67701	TTTTGTATTT	TTTGTAGAGA	CAGGGTTTTG	CCATGTTGCC	CAGGCTGGTC
67751	TTGAACTCCT	AGACTGAAGT	GATCCACCTG	CTTTGGCCTC	CTAAAATGCT
67801	GGGATTACAA	GTGTAGGCA	CCAGGCCCGG	TCTTGAACCT	CGTATATACA
67851	GTGTGTTGTG	TGGGCAAGTC	ATGCCTGACC	ACTTCCTAGT	GGGAGGGGAG
67901	AACTAGAGAG	GCTTGCCTGA	GGCTTTAGGC	AATGTAATCT	GTTCTCTTGG
67951	GATCAATTAC	TTATGCATAT	TTAGTAGCCA	GCTCTATTTG	CTGATCACCT
68001	AATCTGTTCT	CTTCGTTTCT	TCCCATGAGA	CTTCGATATG	GGATATCTTC
68051	CTCTTCTTCC	CATTGCAGCC	TTTTCTCTCA	GAGTTGTTCC	CATGATAAGA
68101	ACTCCCATCA	AAATCTCTGC	TCTAACATCA	GTTGTCAGAT	TTTGCCACTT
68151	TTTTTTTTTT	TTTTTTTCTG	AGATGATGGA	ATCTCACTCT	GCTGCCCAGG
68201	CTGGAGGCAG	TGCCACCATC	TCGGCTCATT	GCAACCTCTG	TCTCCCGGGT
68251	TTGAGGGATT	CTCCTGCCTC	AGCCTCCCGA	GTAGCTGAGA	TTACAGGAGC
68301	ACCCACCCAC	TCCAGGCTAA	TTTTTGTATT	TTTTTTAGTA	GAGATGGGCT
68351	TTACCATAT	TGGCCAGGTT	GGTCTCAAAC	TCCTGACCTT	AAATGATCTG
68401	CCTGTCTCTG	CTTCCCAAAG	TGCTGGGATT	ACAGGTGTGA	GCCACTACGC
68451	CCAGCCACAT	TTTGTTACTT	CTTTCTGTAA	CCTGAATGTG	GAAAACTCA
68501	CTGTCTTTCC	TCCACTCTCA	CACCATAACT	GTC AACACCA	CAGAAGACTT
68551	CTGTGACCAA	ATATGTGGTC	ACCACCAAGC	AAGCAGTAAG	TTCTGCAGTG
68601	GACACCACTA	GGCGTCCTCC	AGTTCAGTTC	TGGCACTATC	CGCCTGGAGA
68651	TAGGGCTCAA	TCCCACAGGT	GGAGGTCTCA	GTCCCCAAGA	ATGTCCCCTC
68701	TTCAGGCACC	AGTTGCAAGT	CCAGGCCTCT	GGAACCTCTC	GCTGACTGGC
68751	TTCAAATTGG	GGTTCCTGCA	GCCCCCTCTT	TGAGTTCAAT	TAATTGGCTA
68801	GAGCTGCTCA	CAGAACTTGG	GAAAAACACAT	TTACTGGTTT	ATTCTAAAGG
68851	ACATTGCAAA	GGATAAAGAT	GAAGAAATGC	ATAGGGCGAG	GTATGGGGGA

FIGURE 3Z

68901	AGGGTTGCGA	GCTTCCACGC	CCTCCCTGGT	CGCCCTCCAG	GAACCTCCAC
68951	GTGTTTCAGCT	ATCCGGAAGC	TCTCCAAACT	CTGTCCTCTT	GGGACCTTTC
69001	ATGGAGACGC	CATTGGATAG	GCATGATCAA	CAACCATGTA	GAAATGGGAT
69051	TGCACGAAAA	GGCTATGATC	TAATCCTCAT	AGGCTGAGTG	GGGAATCCCA
69101	GCAAGGCCTG	TTTGTTTCAGA	TCCTTCTGTA	GCATTCATTTC	CTCCAGGTTA
69151	TGGGGCAGGA	CCCCTTCTGA	AATGGGGTCT	TCTGACCTAC	AATCAGACAA
69201	GGCAGAGGAA	ATTTCTTTTAT	GGCCAGCTCC	AAGTCAGAAA	GGTGGGGGAA
69251	GATTAGAGTC	CTGCCTTGAG	CAGATGAAAG	GAGGGCTGGA	GGAGGTCAGA
69301	GAGAGAGAGA	TTCTGTTTTT	CAAGGCCTGC	TTCTAAAGCC	TAAAGCACCC
69351	CTAAATAACA	AAAGATTGTA	ACAAGGACTA	TGGGAGTCAT	AAGCCAGGAA
69401	CCGTGGATGA	AAACCTATAT	ATATGTATAT	ATATATCTCA	TAATAATTCA
69451	AACCTGTCTC	CTGTTAATCC	CATCCTCTCT	GTTTCTGTTA	TCATTTCTTT
69501	AGTGTAGATC	TGCCTAAGTG	TAGAATTTGT	AGAATTTGTC	ATGTTGACTA
69551	TTGTAGACTT	GTCTTTTAGA	GTTTCTAGCA	CTAGCCTCTT	CCACCCATCA
69601	CTATTGAGAT	GATTGTATCC	GTCTCAGTAC	TGACACTAAC	CCAGCACTCT
69651	GGTTTTACAT	CTGTCAATCC	ATCAAGACTT	CACCTTTCAT	TTCTTCCCTG
69701	CCTCATTATT	CACATGCTC	TTGGGCCATT	GCTCTGGCTT	CTGGGGCTTT
69751	TCTAAAGTAG	CACTTTTCCC	CACCTCCAGCC	CATGAAGATA	CCTTTTAACC
69801	AGCTCTTGAG	ATTAAATCCC	CTCCGTGACA	CTTTCCTGCA	GGAACCTGCA
69851	AAAAAGTACT	GCATTCCCCA	CTGGCAAAAC	TTGCCATCAG	CCAGTTTATG
69901	TATTCTCTGC	TTTTCACACC	CATATCTTGA	CCTCTGAACA	ACACACATAT
69951	TCTCCTCTTC	ATTTATTTCA	CAGTTCTGTC	TTCATAACAT	TGATAAGTAT
70001	GATCACATTA	GCGCTCTAGA	TTTTAAGCAA	CTGGAAGATA	GCTATTTTTT
70051	TGGTACTCTT	CCTTTAAATT	TGAACATAGT	GTCTAATTAG	TCAATTAACA
70101	TTTTTTTTAAA	AGGGCGAGGG	ACATCATGGT	AGAGAGAACG	AAGTTGAACG
70151	TGTTTTTGGT	TGAATATTAG	CGCATGCCCA	CTGTATTCTA	GGCACAGTCC
70201	TGATTCAATTA	TATCATCACA	CAATAATTAT	TTATGTGCCT	TCATCCTTTA
70251	TGACACAGTG	CTGGCTCTTA	TTCATCTCCC	ATTTCTGCAA	TCCATTGTGA
70301	TGATTAATAAG	TCTTAGGAGT	TTTACGAGGC	TCAGTATTTT	TTTTTTTTTA
70351	TATGCTAGTT	CTTCATGAAT	ACATTGGGTA	CTCTGAAGCA	TATCATTTCC
70401	TGGGTTTCCT	GAAGTGGTAT	GTTGCGTGGA	ATGGCACATT	AGGTCTAAAT
70451	AATTATCCCC	TATGTAAGGT	TCTTGTTTTT	CATTCATTCT	CTTAAAAAAT
70501	AGATATTAAA	CATTAAATAA	GGACAGCCAG	GTATTGTTTG	AGGTGTTAGT
70551	GGGCTATGCT	AAAAAATCAA	AGGTGGGAAT	GAGGCAGCTG	GAGCTCAAAG
70601	GAGCATGTTA	GAAGGAGTCC	CAAGAGGACA	AATCCATTTG	GTTCTTCTTT
70651	CCTTGTTTTT	TTTCGAATAT	TTTTGAGGAT	GATAATTTTT	TTCCCCTCAA
70701	AAGCTTTTAA	TGAATGTTAG	GATTAAAAAA	GAGAGAGAGA	GAATTTATAG
70751	AAGAGAAATT	AACTATAGCT	CCTAAAATAG	CTCTTTGTTT	CTGAAAGCCT
70801	TGATTCTGCT	ATCTATTTTA	TAAGTAAAC	AAAAACAAAA	ACAAAAACAA
70851	AAAACAACCT	CAAGAAGTTA	CTTGATAGC	CTCTGCCACT	AAGGAGACTG
70901	TGTTCTGATG	TTACCTCAAA	CAGGCTGATT	TATTAATAATA	TTTAAAAATA
70951	TATATGGAAA	TATTTTTTTC	TATTTTTTTT	TTTAGTGGCT	TTTCCCAGTG
71001	AACAATAGGT	CTTACTATAT	GATTTCTTAT	TTGTCATTAG	TGAATGTGGT
71051	GGGTATGTGG	CAGCTGGGGG	AGCTGATGAT	TTTATAATAC	TGTATCAGAA
71101	ATGATTAGTG	TAGGTACTTA	TTAACATATT	TCTCAGACAG	AACAATCTTG
71151	ACTTTTAAAA	CCTCTTCATT	TAATTCAAAC	ATCAAGTACC	CTGTTTGTGG
71201	CCTGTGTTAT	GTTAGGTGCT	CTCTTTACAA	GACCTATTTT	CTTGCTATTT
71251	AATTATATAT	TTGCTTAGCA	AATATTTACT	CTGCACCTAC	TAGGTACCTG
71301	GCACTGTGCT	GTGTACTGAG	GTGCCATGTG	TACCTCCATC	AACATAGACT
71351	CAAGATCAAT	ATGATTTTCA	TGAACAAAAA	ATACCTTTAT	TGAAGCAAAA
71401	AAAAATCACA	TTTTGTAAGG	ATCAAAAAAG	AGACATTTTA	TATAAGGTAC
71451	AAGAAATAGA	AGAATTATAT	CCCCAAGATA	TATGTGATAA	CATACTTGTT
71501	AGTTTTTGGA	CGTGACCAGA	TTTTACACAA	TCCTTAAAAA	ATGCAGCAAC

FIGURE 3AA

71551	CAGATTTTAA	AGTAGTTCTC	TAATCTCTCT	TTCTGTGCCC	CATTAGATGT
71601	ATATTGGATC	TTCTCATTCT	GTCTTTGTCT	TTTGACCTCT	CATGTTTTCC
71651	GTCTCTTTGT	CTCTGTGTGT	TGCATTGTAC	ACAAATGCTT	CTTGAAGTGT
71701	GGTGTGCACA	TGAATCACCT	GGGGACCTTG	TTACAACGTA	GGTTCTGATT
71751	CCATGGGTAT	GGGGCAGGGC	CTGAGATTCT	TAGAGAATTA	AATTCTAACC
71801	AGCTCCTGAG	TGGTGGTGAT	AATGCCAGTG	TGTAGACCAT	AGCTTAAGTA
71851	TCAAGGTTCT	ATGTGATTCC	CTCAGATCTA	ACTGCTAGTT	CACTAAGTTT
71901	CTCTTCAGCT	GTATCTAGTC	TGCTATTTAA	CATATTCAGT	GAATTTTTAA
71951	CCTTAAATTC	AAGAACAAGA	CTTTTTATTT	CTGGAAGTTC	AGTTTGGTTC
72001	CTTTCAAATG	TACCTGGTTC	TTTTTCAAAG	TGTCATGTTC	TTTGATAAGA
72051	ATTTCTACTA	ATTTACCTTG	ATAATAAAAA	TTTGTTTCAT	GGCTCATTTT
72101	AGATTGTTCT	TTTATCTGCA	GTTTTTGGAG	GGCTAATTCT	CCCATTTCTT
72151	GTATCTGTTG	TTGCACCCGT	AAGGTGTAGT	TGTTGATTTT	TACTTTTTAA
72201	TTGTGAATTT	ATTTCTGGTA	GGGATTGGAA	GGAGGTTGTT	GGGGTGGGGG
72251	TGGGGTGGGG	AGAAAACTCT	GTGTGCCCTG	GGTTGCAAAA	ACACCCCTAC
72301	AAGTTGTTCT	CCACTTGCAT	CTGCCAGTGC	TCCAAGGGCT	CAGTGATCCT
72351	GGACCAGTAG	TCATGATAAT	TTCTTGAATT	GTAACAGGAT	ACTGTAAATG
72401	TGGACACTCT	ACCTGAGGTT	ACTGCTTCTT	TCTATCTGCT	TTATTTCTTT
72451	CCCACTGAAG	GGCCCTGGAC	AAGGGTAAAC	ATCTCATCAC	TTTCTGGGTG
72501	GCAGAATATT	TCCAGTTCCC	CCACTTCTTT	TTGGCTTAAG	GCTGTGGCTT
72551	TTTCCTCTGC	CTGAATGTGG	CCCTAAGAAG	CCCTTCTTTT	CAAACCTTCC
72601	TGTTGTACTT	GACCGACTAG	CTGTCTAGAG	GTTTATATCC	CTAGCTTTTA
72651	ATCTTTGCTG	TGAATATCTT	ACCTGTTACC	AGCTAGTATA	TTTCACATTG
72701	ACTTCTCTTT	CTTTTTTTTT	TTTTTTTTTT	TTTTTGAGAC	GGTGTTCGCG
72751	TCTTGTTCCC	CAGGCTGGAG	TGCAGTGGCA	CGATCTTGGC	TCACTGCAAC
72801	CTCCACCTCC	CAGGTTCAAG	CGATTCTCTT	GCCTCAGCCT	CCCAAGTAGC
72851	TGGGACTACA	GGCATGCACC	ATCACATCTG	GCTAATTTTT	TTGTATTTTG
72901	AATAGAGATG	GGGTTTTACC	ATGTTGGCCA	GGCTGGCCTT	GAACTCTTGA
72951	CCTCAGGTGA	TCCACCTGCC	TCGCCCTCCC	AAGGTGCTGG	GATTACAGGC
73001	ATGAGCCACT	GTGCCTGGCC	TACTTCTTCT	TCCTTTTAAC	TTGAAGATTA
73051	TCTGCCCCCT	TTTCTAATCT	TAACCGCATT	AAGCTGGCTT	TGAGCATGGC
73101	AAGAGTTTTA	TAGATGAATC	TTATTTTATA	GTACAGGATT	TCAAAATCAT
73151	AATTATTTCA	CTGAGGGTGG	CTTTTACCCT	CCATTAATTA	TACTTCTCAC
73201	TCAGAAATGG	AATTCTATTT	TGGTCTCCTA	AAGATAAATT	AGTATATAGT
73251	GGAAAGGAAT	TATAAAGTTC	TGCTAGGAAT	TAAATGATAT	GATTAACACA
73301	AACATCCACA	TGGATGTGTC	TCTGCCCTGT	GCAGGAAAGA	TGAACATTCA
73351	GTACAGATTC	TGCTCTATGT	CACTAGCTTT	CAAGACCTGC	AGGTTCTCTC
73401	CTAAGCATGC	AATTCCTGTG	AGCAGTAGCA	ATAATAGCAG	GTCATATTTG
73451	TGGAGTGATT	ACTGTATGCT	AAGAACTGTG	GTAAACACTT	TTATATGGAT
73501	TATTTTATTT	AAACCTCCTA	ATAGTCCATT	GAAATAGATA	TTGCCATGTT
73551	GAAAACTGAG	GTTCAGAGAG	GTTAAGTGAC	TTACCCAGTG	TCACAGAACT
73601	AGTAAGTGGT	GCAGCTGGGA	TTTGAAGTGA	GATTCCAGAA	CAATTGCCAT
73651	TAACCACTTT	GCTTCCATAT	TAGTATCATC	TGCAAATCTC	TCTCCATAAA
73701	TTTCCTCAGT	CTTTATCTGA	GTTTCCTTAT	TTCAGGAAGG	AAAACCTTCTG
73751	TTTTTGATCC	TTATGAAATA	CAATTTCCAT	TAAAACCTTT	TTTTTTTGCT
73801	ATTAAAAAAG	GTACCGGATA	ATTGAAACCA	GACTGGATTT	GAGCCTGTGT
73851	TGATGGAAGT	ACACATGGGA	TGTGGGCTGA	AGTGTTCAAT	CTAATTTTTC
73901	TTTCCATCAG	CTAATTTTAA	AAGTATTAAG	CAAGTAGATT	CTGACACTAA
73951	CAGGGAAGAT	TTAAATTCTC	TTGAGAGACT	GGAGGTGTTA	AATAATTTTC
74001	TGGTAGTGCA	CATTTTACAT	CTTAAATCTT	CCTCACTCTC	CCACCTCATC
74051	TCAATGTACC	TGAAGCTCTG	GGAATGTTCT	TTTGTAATTC	TCAGGAACAG
74101	CCAGACCTCT	GGCTTCATCT	CCTTCCCCT	CCACATCCCT	TTCTGTCTCC
74151	AATTACTTCC	CAGCGCCACT	TGGATGTTGT	TGTCATCGGG	GAACTTTGGA

FIGURE 3BB

74201	AACAGCCAGA	TTTTTTTGGG	GTCTGTAAGC	AGAAAACAGA	CTGCTTGCTG
74251	CTCATATCTG	GCACCCAGCT	TTGTCCAGAA	AACGAGGAGT	TAAAAAGAAG
74301	TCTGGGCTGT	GAAGGGCTGT	GACAACTGTC	CTAGGGGGAG	CTCTAGCGAG
74351	CCCTGGCGGG	CAGTGACTCA	TGCTGCTCTG	TCACTGGGAT	CAGCACTGGC
74401	CCCTGGCAGG	CAGGCGGCAG	CCAGGTGGGG	TTCCAGCCAG	AGCACGCACG
74451	CACGGAGCCG	GGAGCATGCA	GCCTGCACTG	CGGGGGATGT	GATGCTCGGC
74501	TCTAACTCGC	CTGGCTGGCC	CGCCACGGAC	GCCTCAGCTT	GCAACCATGG
74551	TAACGTTTCT	GGCGGGGGAC	ACCCCCGGGA	GCCCACCGCG	ATGGGCAGCC
74601	TCCTGGTGAC	TGATGGACGA	GTGTCCACCT	CCCAGACCGA	GAGCGCTTAG
74651	TAGGTGCGAG	GAAGTGGAGA	GGATGTAACA	CGCCCCCAGC	CGGGAGTGAA
74701	GCCCTGAGGA	GGTAGGAGCC	GCATATGTCC	ATCCGTGCAT	TCCCACCGTC
74751	AGCGCGCAGG	GGTGCTGTAG	ATCACCGGTA	GGAACTTTAT	TTGGCTGGTG
74801	CTTCATTATG	CTGATTAAAC	TGCAGTGGAT	TTGATGGGCA	TGATTGCGCT
74851	GGGGAAGATG	CATAATGAAC	TAAAAAATAA	AAAAAGTGGT	TAATAAGATC
74901	TCGGAGTCGA	CTTGTCGGG	TATGAATGAA	GTAGACTGCA	GTGGTATCCT
74951	AACAGGAGTT	CCAGAACCCT	ACACATCCCT	TTTCCTGGTC	CTTCCTCTTA
75001	TCCCGGTTAA	TCCACGAAAT	GTAGAAGTTC	CATCTTATTT	CAACGATTAG
75051	TGCTAATCAT	TAATAATTTA	GACCTGTCTG	GAGGAGGGAA	TCCATAGGTT
75101	TAGGTCTCCT	AGCATCCTGG	CACTAGCCAG	CAGCTGCTCT	GTAGGAGCCT
75151	TCTGGAAACA	GCAGGAAGGA	GCGGCTTCCC	CACGAGTTCC	CCAAGTGCTT
75201	TCGTTGGCCC	AAGTGCTTTC	GTTGGCCCAA	GTGACCTGTT	TGAGTTTGCT
75251	CTTCAGTTTA	CCCCAGGCGG	GAAGGCAGCC	TGTCTGCGGG	TTGGTGGCCA
75301	TGTTGGCAGA	GAAGGGGTTA	ATCTCTTGTT	GCTGTAGGAG	CCGAGGTTGC
75351	GAGCTAGATT	GAAAGCAGGC	GCTGCAGTGC	CATCGCCAGC	GCCGAAGGAG
75401	TAAGACGATC	TTCTCCGCAA	CAGTGTTGAA	TCCGGCTGAA	ATTTTTTTTC
75451	CTCCCCGCTT	CCTTTCTTGT	TTTTCTTTAA	CCAGCTCCTC	CCCCCTTCGT
75501	TCCCACCCTC	AAGTCTGACG	ATGACACCTC	CAATTTTGAT	GAACCAGAGA
75551	AGAATTCGTG	GGTTTCATCC	TCTCCGTGCC	AGCTGAGCCC	CTCAGCTTTC
75601	TCGGGTGAAG	AACTGCCGTT	TGTGGGGTTT	TCGTACAGCA	AGGCACTGGG
75651	GATTCTTGGT	AGATCTGAGT	AAGTGAAAAT	TTGACTTTCT	AAAGGGACCT
75701	GCATTGATGC	AAGGCTTTTG	GAGCCAAAGG	TGGTGGTGGG	GGGGTGGGGG
75751	AATAGGTGGG	GGGAGTGCAG	TGGAGGGAAG	CTGCTAGTCA	CCTGCATTGG
75801	GAAAGCAGTC	TACCTGTTAG	GGCTTTGCGG	GGGTAGCCTG	TTAATATTCT
75851	CATTTTGCAG	TGTGTAAGGT	ACCTGTTTCT	GTCTGTGGTA	TGATAATTGT
75901	CAATTGGGTA	CTTTGGGTTA	GTTTTCCAAT	CTTTGGTCTT	CTTTAAAGGG
75951	GAGAGAGTGG	GAGATTTCCA	GCAGTGCAGA	TCCCCGGTCA	AAGGAGAAAT
76001	GTGCAGGAGT	TAAGATGAGC	TGCCCCATCTA	TCTAACCATC	TATGTATCTG
76051	TCTCTCAAGT	GGGTGGATGG	GGGTGCTAT	CTTGGCTGTA	TAAAGAATCC
76101	TAAAAACCTT	GTCTCATAAG	CTAGAGGTTT	CCTGATGGGT	TTAACTGAGC
76151	TGCAAGTGGC	TGAACCAGAG	CTCTAACAGA	GAGATGGTGC	TCGGCTCCTC
76201	TCCAAGTATG	CTGCAAGATC	AGGGATCTGG	CAGCTGAGCC	TCTCTGAGCT
76251	GGTGGAGCGC	TGGCAGCCAG	AGAAAGCCCC	GTTACTGTGA	GCCACCAGGA
76301	GGGAGTGTGA	TGTAGCCGAG	TCATTGATTG	ACAGAAACTG	GGCTTCATAG
76351	GGGGAAAAAA	AACCAGGAGA	CTAGAAAATG	GAAATATAAA	TATCACTGTA
76401	AACCTCTTGA	TCTGGTAGGT	CTTTCTCCAT	TCTCATAAAA	GCTATTGAAA
76451	AATGCATTAA	CAGAGCACTT	GGAATTAGAG	GGTCGAGGCT	TCCAGGAGCC
76501	TCCTGGAATT	TCTGTAAAT	GCAGTAGCTT	CTGTGGATGT	GGGAGGTCAG
76551	TATCTTGCCCT	CATTCTCTCA	TGATACAATG	ACATTCTGTT	TTCAGAGGAG
76601	TGAGTTCCCC	AGAAGATCTT	GGACTGATGG	TGTTATTTGC	CAGCCACCCT
76651	GGTCCCTGCA	CTTTCAGGTT	CTCAGAGGGT	AATGTTGGGT	TAGTTGCTGC
76701	CCACTTAGCA	GACGAGCAGA	ATTTGATATT	CTTCTTGGCA	GCATCTTTCC
76751	CTCTTTGTGG	TATTTGTAGC	TTAGATATCG	ATTTATAGGG	ATGTTATGTT
76801	GGTTCCTGGA	TGGTGTCTCC	CTATGGGTGC	TATTTTGACA	GTAACGTTCC

FIGURE 3CC

76851	TGAAAAGATT	TCAGAGTGTT	GTGGGGAATT	GGGCATTTGA	TACGAAATAA
76901	GGTTGTGGGC	TGTGATTGAA	TGTGAGGGAG	GTTTTTATGT	TGCAAGATGT
76951	TGAAGTGGTC	TTTCTTGATC	CCCTCTCTGG	GGGCTGGGTT	TCAAATTCAG
77001	GTTGGATTTT	GGTAGTGTTA	GATGTGCCTC	TCTGTCTGAT	TTGCTCCACA
77051	ACCCCAAAGC	AATCTGGATG	TGGTGGGAG	AGGCAGAGTG	CTAACTAGCT
77101	GTTGAATGTG	CCATCAGATG	GGTTTGAAAC	GGCTCAGCAG	GATTGGGAGG
77151	TTTTGCCATT	GGCATCAAAG	AGCAGGGCAG	AAGCGGAGGC	CTGATGTTGA
77201	AGGATGCATG	GTTAGTGGGC	AGTATAACCT	TGACACACGC	AGCACACTGA
77251	AGGTCACACG	TCGTA CTGGA	AGGACGTGTG	GAGAGTTCTA	GTTCTGGTTA
77301	GCAGTGGGCT	GGCTGGGTCA	GAATGCAAGC	TTGCTTGGGT	GTTGGTCAGT
77351	GATCTGAAAG	ACGAGGGAGG	ATTCGAGGGA	GTTAGATTTT	AGGGGAAAAG
77401	GCAGAATGAT	ATGGGAGATC	TTAGGCATTG	CAATTAATCT	GAAGCAGTGT
77451	GTGATTAATT	GCTTATTTTT	CAGGAAGACT	TGAATGACAT	CTTTCTGTTT
77501	CTCACAGAAA	GCTCAGTTTA	GGGAGCTCTC	TGACAGGGAC	ATCTCAGTAT
77551	TAAGGCTGAG	GCACTCGATA	AATATTTGTT	GATTTAATTT	ACCTATGATC
77601	CTTTCCTCCA	GAAGTGTTTA	TATTGCTTAT	TGTATTTGAA	GATGTGCTAT
77651	CTCACCTCTG	GTAGTTTAAA	CTATATCCTT	AGAGCACAAA	ACGAGCTGCT
77701	GTTCTGACC	CAACAGAATG	TTTAATAAGA	TTCTTATTTT	AAAAAAGGTC
77751	CATGCAAATA	AAACTGTGTA	TTTCTTATTT	GGACGATGGC	ATCAGAGTAT
77801	TCCTATCATT	GGGGAACTTT	AACGTTTTTT	CAAAGCTTGG	CAACGGGGTT
77851	GGAATCAGAA	AGATTTTCTT	TCATCTTGCG	TCTTGTTATG	TGTTATTGCT
77901	ATTGGACTTG	GCTACTCTGC	TGTAGGCAGC	CCTGTGGGTG	ATACCTACAA
77951	GCATCATTTT	AGAAATTCAT	CCACCTGTTG	GATGTAGATG	ACCCTGGACA
78001	TATCAGATTG	TGATTAATTA	GAAATCTAAT	AAAAGAGAGG	CAGTGATGAA
78051	ATTACTTAGC	AGCTCCTGCA	GTTTTATTGA	CAAAATTTAC	TTGGAGAGAG
78101	GGGGAGACAT	TTTCTGGGGG	TACCACCTTT	GCTGCCAGCG	ACCCTGTGTT
78151	TCTTCCTGAG	TTTCTTTTTT	TTTTCTCACC	ATTTTCAGCA	TCACAGGTTT
78201	TTATTTACAC	ACATTGATTA	CCTGTGCTGT	TACTCATTCT	TCACACCACT
78251	GAGTAAATTG	CAGATGCTGC	TGTACTGTGC	TAGGTAAATT	GACCTCAGAT
78301	TTGTTACCAG	TGAATTGAAT	GAAATGTTCA	GAGGTGGAGC	TGAATGAACG
78351	AGGAGTTTTT	GTGGAGAAAT	TGGCAGTGAG	AATGATTTAA	ATTCTGTGAT
78401	AGCTCCTCGT	TTTTTG GGAT	CCTTATTTTG	GGACCCCAAG	CTATTTTAA
78451	GCCATTGAGT	GCATCATTAT	TTTAGGCTGA	GCAAGAATCT	TGATGACAGC
78501	GTTTCAATGG	CTGAGGCGTA	GTGGGAGTTC	CTTGCAGCTT	GAGTTGGTGG
78551	GAGCTGGAGA	GTTTCTAGAG	AACTAGGTTT	GGTTGTCTTT	GGGGTGGGGT
78601	TATGGTGAAA	TTAGTCTTGG	AGAGTGAGTA	GCTGTCTGAT	GCTTCTTTTC
78651	CTTTTTAACC	AGCAAGAGCC	CAAACCAAAT	CCCCAAGCTC	TGAATGCCTG
78701	GCTGTTCTC	TCAGCCTTTC	TTTGCTTGAA	CTTGACAATA	GTAGGGTAGT
78751	AACAGGAAAC	AGCATGTTAA	AGTTTTAAAA	ATAAAATAGA	TCTCAGCTCT
78801	TTTCCTTCCC	ATTAGCAAGG	GGTACATTTA	TTTAGGTTTT	TCCTTCTAGA
78851	TTGAGGCACT	GCCTCATTTA	AGTTCTTGGT	GAAGCCATGC	ATTTCTGCAA
78901	ACCATAAGTA	TAAACTCTAG	AACGGGGGTG	TCCAATCTTT	TGGCTTCCTT
78951	GGGCCACATG	GGAAGAAGAA	GAATTGTCTT	GAGGCACACA	TAAAATACAC
79001	TAATGATAGC	TGATGAGCTA	AAAAAAAAAA	AAAACCTATA	AAGTTTTAAG
79051	AAAGCTTACA	AACTTGTAAG	TTTTGAGCCA	CATTAAAAAC	CATCCTGGGC
79101	TGCATGCAGC	CCCCGGGGCC	TTGGGTTGGA	CAAGCTTGCT	GTAGAAGGTA
79151	AAAATCAGTT	GGTTTTATGT	TTTTGTTTTA	AACATGCTGG	TTGTATGCTT
79201	TTGGAAGAGT	TGGGGAACAC	TGAGGGTAAT	GGGATCTTGA	TGGGGCTGGA
79251	ATTTGTGGGA	AGATGGTGTG	TGGGTAGGCT	GTTTTTAGGA	AGGGGCACTC
79301	TCTTCCTTTT	GATT CAGAGA	TTTTTCCTTT	CTTTTCGGGT	GGTTCTGAAA
79351	ACACAGCGAT	GGATCCAGGC	ATTCAAACAC	CATGGAGGAA	GGAAGAGTGG
79401	CTGTTGCCAT	TGCTTCCCGA	GTTTTCTGGG	AACCAAGTTT	TGGTGCCTCT
79451	TCCTTGCTCT	ACTGGGGCTT	CTCTGCATGT	CAGTTTCTTC	AACTGCGAAG

FIGURE 3DD

79501	TGGAAGGACA	GCGATACTTT	TCTTACAGGA	CTTTTGCGGG	GATGGATGAA
79551	ATACGTAAAA	CACTTGGTCT	AGTACCTGGC	ACATGGAAAA	GCCTTGGTAA
79601	ATGTTCACTG	TTGTTATTTT	TGTTATTACT	AATACACTAG	TCCATGTATG
79651	TATAGTGTCC	TCCTATACAC	ACCAAGAGAA	TATGGAAAGG	ACTCAGCAAT
79701	GATTAGGTAG	TCCAAGTCA	TACCAGATTG	GAAACCAAGC	TTCCCAGGCC
79751	CTGGGACTTT	TCTGCTAGAG	ACACTTCACG	GTTCTGACCA	ACTACAAAGA
79801	GTTAATATGC	AGTTGCCAAA	TACCTGTTGG	TAAAAGGTGG	ATGTTGGGGA
79851	GGAGTGGATT	GGGGAACAGA	ATTAGAAGGT	CCAGTCCCAG	AATGGGTACC
79901	TTCCCATCAA	GTTGAACAAG	TCAAAACAGG	TTATGTTGAA	ACAACCTGAG
79951	GAAAGTAAAG	CAAACACCAT	TGCTGCAGAA	TATCATGGTA	CAAATTGGAC
80001	ATCTTTGGGA	GTTAGCGGAG	TAAGGCAAAA	TCCAGTGAGG	GACGCTTAAT
80051	GGGTAATGCC	AATTCACAAT	TCTTGTTAAA	TTACATTGCT	GATCTTCCTT
80101	GGAATGTCTG	TCCATTCCCC	CAAGTAGACT	GTGATCTCAA	GGCAAGGCTG
80151	GGTCTTATTC	ATCCTGGTTT	TCCTGGAGCA	GTAAATACTT	GTGCTGGGAC
80201	TGGGCTTATA	AGCATACTAA	TGGAAAGTAA	AATATTTGGG	TTGGTTTTTT
80251	AAAAAGACAG	TGGATTTGGA	TCAGTGGAGA	GGAAGGTAGA	GGGAATTTCA
80301	GGTGGGCAGG	GTTGCTAACAA	CAGCCCATCC	TTACAGGGCA	CCAATGTGT
80351	TCTAGGCTGT	GTTCCAACCA	CTTTACACAG	ATGAATTCAT	TTAAATTGCA
80401	CAACCAGCCC	AAGAGGAAGG	TACCATTATT	ATTCTCATTT	TGGATGTGAG
80451	GAAACTGAGG	CGTGGGGAGA	TCAAACAAC	TGCCTAAAGT	TATGTAGCTT
80501	TGAGTGGCTT	AGCTGAGATT	TGAACCCTGT	GGGTATAAAC	GCCACAGATG
80551	GGAAATTTGT	GTGGGGTACC	CAGGTTTCATG	TGCTTGTTAG	AAGTGAAGC
80601	TATTTGTAGA	GAATCACGAA	TGATGAGGTT	GGGGCAGGGT	GTGATGGGAG
80651	CTGACAGGCA	GGTCTAAATG	CTGGGATTCA	TTTTCAGTCT	CTGTGTTTAT
80701	TGAGTAGGTA	GACGGTATAG	CTCTTGATT	TCTCAGATTT	TTTCCTCTTT
80751	TCATTTAGAG	ACTCTTATCT	GGTGTGTGTG	TGCCCCGACA	CATACATAAA
80801	CCCACGCGTA	TATACTCTTT	CCCTGAATGT	TCTTATTTGC	TAAAGCTTAA
80851	GCTTGGCAAA	GAGAGGAAAC	TGCACTGACC	TTACTCTCCA	CCATATCTTC
80901	AGGCTGATCA	TACACAAGTT	GCTTAATAAG	CATTTGGTTA	ATCCATCTAA
80951	ATCATTCTTA	TGGCTGCAAC	TCTCATTTTG	TTGATGACTC	TACTATCTAT
81001	GTCTATTCAC	ATCTACATTT	TGTACTTTTG	TTTGCCTCCC	ATCTGTCTGT
81051	GGATGGCTGA	TACCAGTGGA	AGACAGCCTG	AACTCTCCAA	TCAGTCCTGT
81101	TTCTTTTTTA	TGAAATACTT	GGAGGTTGGA	GGATCTTCCC	TTAAAAAGTG
81151	TTTTCTTTTC	TACATCCAGC	CAAAGGCTCT	TGGTCCTTGT	GCTTGCTACC
81201	TAGATCCCTA	TTGGAAAGAG	TCTTGCCTGC	AATTTGATTT	TTTAAATAGC
81251	AGCAATAACA	GAGTCGTCTC	TGCTACACGA	AGACATGCAT	CTGCTGTATT
81301	TCCCAGACAA	GTTCAAAAAC	CTTAACTAGC	TTCTGCCCAT	GGTTATTGCT
81351	CTCAAGTGCC	TTGTGTTGTT	CCCATCCCCT	CATTATCTGG	ATTAGATGTT
81401	TAACATTTGC	CTGTGTGTGT	TGTGTTGGAT	TTTCTCCTCT	CCTCTTGCTC
81451	ATTCAATTTT	TTCTTCTCT	TAGCCAAGCA	CAGCTTGTTT	TCCTACTTGC
81501	CTTATTCTGT	TCTCTATTTA	GACTGTGCGT	GCCTGCCTTG	CAGCCCTGGC
81551	AGGACCATTC	CACCGCCTTC	TCATTTGTCT	TAAAGATACC	TTTAGGAAAT
81601	CTAATCCAGA	CAATCCTAGC	CCAGTCCTGA	AGATTAGGCT	CCAGAAGATC
81651	TGTCAAGTGT	GTTTTTTGCT	GGCCTACACA	TGCTAATTTG	CATGGTTGCC
81701	TGGGATCCCT	TAAGAAGACA	GTCATTGACT	AAATGGCGCT	ACATGTTCCC
81751	AAGCTCTGCG	CCAGTCTGGC	AACTCTTCCT	TTGTCTACGT	GAATTTCTCC
81801	TAGTTCTTTT	TGCTTTGCTT	GCTGTTTCATC	TCCTGACCTC	TCTCCGACAA
81851	ACTTCCTGAA	AGAAGAGCCT	GCACTCAACA	CCTCTTTTTT	CCACCTCTTC
81901	AACAATACTG	AAATGACTGT	CTCAGAAGCC	GTTGATTGTA	CCTAACCACC
81951	AAATCTGGTG	ATTTCCATCT	CACCACGTGA	TACCATTAA	ACTACCTTTC
82001	TTTCGAGACAA	CGTTCTACTT	TCTTCTCTTC	TGTATTATGG	ACACTTGGTT
82051	TCCCTCCTAC	CTCTCTGACT	GTCATTCTCA	CTCTTTTGTG	GCTGCCATCA
82101	GGCTCTTGCA	ATGTACGTAC	CATCTCCTCA	AGTTCCATCC	TCAGTTATCT

FIGURE 3EE

82151	TTCTAGTTGG	TTCTTGGTGA	TCTCATTGAG	TTCCTTGACT	TTAGTTCTTA
82201	CCTCCCCATG	GCCTCCTCCC	ATCGTACACT	GTGTTCCCTCA	TCACCAGGAT
82251	GTTTTACCAG	TTTCTCACCA	TCCCATCCTC	TGTTCCCTTC	CTACATAGAC
82301	AGACCCACTC	GCTCACTCAG	TAAGCCACTA	GGTGCTAGTT	TTGGCTTCTT
82351	CATTTTATGT	AAGAAACTAC	CACCTTCCCT	ACCCTTCTAG	GCAAGAAAGC
82401	TGAGTCATCG	TAAATTCTTT	TCTGCCTCCC	CCGCCATCCC	ATCAGTTGCC
82451	AATTTCTCCA	AGTGGTGCCT	CTAGGATGCC	ACTTGCATCC	ATACCCATCT
82501	TTCTTCCTCA	TTGGCACCCA	TCATGGACTC	TTGCTTGGTC	TGGTGCAGTA
82551	GCCTCCTCAG	TGATTCCCTT	GCCTCTGGTT	TTCCTGGCTG	TAATCCATTC
82601	TCCACAAAGG	GTGGAATTCT	TCCAAAGCAT	AGGTTGGATG	ATGTCATTCA
82651	CCGGCTTACA	CCTTCAACAG	CATCCCAGTG	TGCTCATAAT	TAATGGCTGC
82701	TCCTGAACTT	GGTATTCAGT	CTTGGTATGC	CAAGACCCCA	GCCTGCCGGC
82751	TCATTTGTGT	CTCCTCATCC	CCTACTGAAT	CACTTCAATA	GTGTTGTCTG
82801	GCCAAGCTGT	TCAAGGCTCA	TAAAGGACAG	GACCAGGTCT	TCCTTCTTTT
82851	GCCTGAAACA	GTGCCTTGCC	CCTGGCAGGT	CTTCAATGAA	CATTTGTTGA
82901	ATTGAATTAG	ACTAAAATGG	CCAGGGATTA	TACCAATTCC	TTCTGCACAG
82951	TGTAGACAAC	TGCTAATGGA	ACCTGTTTTT	TGTAGAGCAC	TTCTTGTGTT
83001	CCCAGAACTA	TGCGAGTACT	TTATGTGCAT	TATCTCATT	AATCATCACA
83051	ATCTCACTGT	AACTCTATGA	GGTAGCTGAT	ATTATCCCCA	TTTTACAAAT
83101	GAAGACACTG	ATTCAGGAAG	ATTAGATTAT	TTTCTGAGG	TTCTGAAGGT
83151	AGAAACACAT	CTAAGACTTG	GAGCAATATC	TGGTTGCCTC	TAGACCACTG
83201	TACTATCTAC	CCTGCCTCTA	AGAGCCATGA	CTTTGCTAGA	TTATGCAGGA
83251	GTTATGGACT	TGTCTAATAG	TAAAGGTAAA	AGAATTGGTT	TTAATGAGAA
83301	TCTACTCTTC	TAGGTACTAT	TCTGAGTGCC	TGACAAGCAT	TCTCATGTAG
83351	ACCCAGCAAT	AACTCATTAT	TTTACAGATA	GAGAAAATGA	TGATCATGAT
83401	GCTTGGGTAA	CTTCTTAGGT	TCACTCAGCT	CACATCTGGC	AGAGGGTGGT
83451	CAACTTTTCC	AAGTTTTAAG	TTATTTATTT	ATTTATTTTG	AGACAGAGTC
83501	TCATTCTGTT	GCCCACGCTG	GAGTACGGTG	ACACAATCTC	AGCTTATTGC
83551	AACCTCCGCC	TCCCAGTTTC	AAGCGATTCT	TGTGCCTCAG	CCTCCCCTGT
83601	AGCTGGGATT	ACAGGTGCCT	GCCACCACGC	CCAGCTAATT	TTGTTTTTGT
83651	ATTTTTAGTA	GAGGCTGGGT	TTCACCATGT	TGGCCAGGCC	TGTCTTGAAC
83701	TCCTGACCTC	AAGTGATCTG	CCAGCCTCGG	CCTCCCAAAG	TGTTGTGATT
83751	ACAGATGTGA	GCCACCACGC	CTGGCTCAAC	TTTTAACTTT	AGAACTGATA
83801	TAAACATGCC	TATTTTTTTG	GGACTGACTG	TAGCATACCC	ATTCAAAGTC
83851	CAGGCTTTGG	AATCAGACAG	ACGTGGGCTG	AACTCAGGGT	TTCACCCCTT
83901	GCTTGTTGTG	TGAATGAGAC	ATTTCACTGC	TTTCAGCCTC	AATTCCTCA
83951	TCTGTAAAGT	GGAAGGTGTA	AGGTCGCCTA	TCTGATAGGT	TTGCCATGGG
84001	GATATGAAGC	CACTTAGTGT	TTGGTGCCAT	GAGTAGAATG	AGTGTTCAAT
84051	TCATATTTGT	TAATGTTATT	TAGGTCCGAG	GATGGGTATG	GGTGCTTTTG
84101	GACTCTCTTT	TTCTCCCTGC	TTCCGCCTTA	TAAAGACATC	TTGCTGGTTT
84151	CTGCCCATTG	AGAGAATCCA	GCTCCACGTG	GGGGGCCTGA	CAGATGTCCT
84201	AATATCTCCA	TCCAATTTTT	TACTCTGAAT	GGAGTCTGTG	ATGTATCACT
84251	TCAACCTGCA	CTTTCTATAA	AATGCTCTCC	AGGCTTCTGG	TAGGATCCAG
84301	TGCCAGTGGG	AAGTGTGCAT	GTTCCCAGCC	TAGATGTCAC	ATGCTCCAC
84351	CCACCCTGGA	AGCACTTGGG	TATCCCCTGG	ATGGGTAAGT	CTGTGTGTCA
84401	TTGTGCCATT	CCTGTCTCAG	AACCAATGCT	GGGCATCTCT	ACTTGCAGGT
84451	GCTGGAAAGC	TTTTTCATGC	CAGCATACAT	GCAGCACACT	TCTCATTTTG
84501	GATTCCTTTA	TCCCACGGTG	ACCTTTAAAC	TGGCTGCCTG	GGGGCACAGA
84551	AGTACTAGCA	CACCATTCAC	TTATTTATTC	ATTCATTCAT	TCATTCATTC
84601	ATTCACTCAA	CAAATATATT	GTTCTAGTCC	TTAAGGCACA	ACTCTGAGCA
84651	AGACAGGTAA	GGTCTTTACT	CTCAAGAAGC	TAGCATTTGG	TGGGGAGAAA
84701	CAAAGGAGAA	ATAACTACTG	TGCACATGTG	AGGCAATTGC	AGATGGTGGT
84751	CTGCAGAATT	GGGATTGAGA	CTGCCTGGGG	GTGGCCACTT	TAGACTGGGT

FIGURE 3FF

84801	CCGCAAGGAA	AGGTTCTCTG	AGCTGAGCAT	GAGTATTTGT	TCAAGAAGGC
84851	TGAGTTGCAT	CCCAAGGTGA	CACAGCTTTT	AAGCCACAC	TGAGCAGCTC
84901	TGAGGTCCTA	GGGGCTGTTT	GAGAACCTGG	GATATAGCAC	TGACTATGAG
84951	ACAAAAATCC	CTGTCTTCAT	GGAGCTTACA	TGATGGGGGC	AGATTACAT
85001	TCATTCATTT	GTTCAATTAAT	TCATTAATTC	ATTCAGCTAT	TTGAGAGCCT
85051	ACTATGTGCC	AAGCACTTTC	TAGGCACTGG	AGAAGTAACA	GTGAATGCAA
85101	AGGAGCAAGC	ATCCCTGCCC	ACACAGAGTG	CATTCTTCCA	GAATATCAAT
85151	AAGGAGTCGG	TTAGCAAAAA	TAAGTGGGAA	GAGTATTCCA	GAGAGAGGAA
85201	AAAAGGGCAA	AGGCCCTGAG	GCTGCCACTA	ACCTATGGGT	GCTCAATGAA
85251	CAGAAGGCAT	GTTTGGGTAG	GGGGTACTTA	AGGATACACA	AGGAACATGG
85301	TCTGAGCTGA	GGTCATCAGG	GCCTTTAGGT	ATGGACTTTG	CTCTAAATTG
85351	CACTGAGTAG	GAAGCTTTTG	CAGGATTTTG	AATAGGGTCA	TGGAATATCT
85401	GGGTCTTATT	TCACAAAGTG	TGCCTCTGAC	CATTGTGTGG	AGGGTGGATA
85451	GTGAGGGACA	AGAGTTGGAT	CCAGGGAGGT	AAGTGTGGTT	ATTGCAGTCA
85501	TCCCAGGTGA	GAGGCAATGA	AATTAACCTG	CAAAGTGAGG	CACTGGCTTA
85551	GAGGTGGGAA	CTGAATTAAG	AATCATGGGA	CTAGCTATTC	TTTTATTAAT
85601	AGCATGATTT	TTGATAAATG	ATTCTGGAGC	TACATATTAA	TCATTTCAAA
85651	GCAAGTGCTC	TAATTTAACT	AGAGACCACT	GCTGGTTGTG	TGTGTGAGTG
85701	CATATGTGTG	TATGTATATG	AGTATGTGTG	GTGTGTGTCA	GTATGTATAT
85751	GTGTGTATGG	TATATATATA	AATATATATA	TTGTGTGTGG	TGGGGGAGGG
85801	GGGGTGCCCC	AAAGCTAGAC	AGACTCTGAC	TGTCTTTAGG	GGAATAGTGT
85851	TTTTGATATT	TCCAGGTGTT	CCTGATGGGC	ACCATTGTTA	TTTTATTTTA
85901	TTTTTATTTT	ATTTTGTAGA	CGGAGTCTCA	CTCTGTGCGC	AGGCTGGAGT
85951	GCAGTGGCGC	TATCTCGGCT	CAAGACAACC	TCCGCCTCCC	AGGTTCAAGC
86001	AATTCTCCTG	CCTCAGCCTC	CCGAGTAGCT	AGGACTACAG	GTGCGTGCCA
86051	CCACACCCGG	CCACCATTGT	GTATTTTAAA	GTGTGCTTAT	AAAATTAGTT
86101	CAGAGCCAGA	TGTGGTGGCC	CACGCCTGTA	ATCCAAGCAC	TTTGGGAGGC
86151	CGAGGCGGGT	GGATCATGAG	GTCAGGAGAC	CGAGACCATC	CTTGCCAACG
86201	GGGTGGTGAA	ACCCCATCTC	TACTAAAAAT	ACAAAAAAAT	TAGCTGGGTA
86251	CAGTGGCGCG	TGCCTGTAGT	CCCAACTACT	CCGGAGGACA	AGGCAGGAGA
86301	ATTGCTTGAA	CCTGGGAGGT	AGAGGTTGCA	GTGAGCCGAG	ATCGCACCAC
86351	TGCACTCCAG	CCTGGTGACA	GAACAAGACT	CCATCTCTAA	ATAAATAAAT
86401	AAAACAAGTT	CACAAATTTT	GGAATGCTCA	ATCTTAAAAG	CCAGTATATT
86451	TTTGGAAACG	GAATGCTGAT	GAGTTTTTTA	TTTTTTGTCAG	CATATTACAT
86501	CTTGCAAGTTG	CATGTATTTT	TAGTGCTGTT	GGCCAGCACT	AAAGGTGGGG
86551	CCCTCAGCTG	AGCTAATTTT	GAGTCCCCTC	ATTTTGGCTT	CAAGTATACT
86601	CATTCTTGGT	TTTCCCAAGA	ATATCTGGGA	TTTGTGATCT	GTGTTATCTG
86651	TGGTTTGGTG	TCGTATTTTG	CAGGCATAGG	GTCCTATTCC	TAAGGGAATA
86701	AATGGATGGC	TTGATGCTTA	AGCACGAACT	TAATCATCGC	AGTAGTGATT
86751	AAAGAGTATT	CAACATGTAC	ACTTGCTTGT	AGGAAGGAGT	ACACATTGTA
86801	TTCTCTTTTG	ATATGCAATA	TTTTATTTCAT	AGCCCTATTA	AGTAATTTTT
86851	TTTAACAAAG	TTATATGGAT	TATTTACAGG	TACATCACGG	GAAAACTGCA
86901	TTTTATAATT	TTCACTGAAA	TGTTGAGGTT	ACATGTAAAG	CAATTTTTAT
86951	GTCATATCTG	ATACATTTTA	AGAAAACATG	TCTTCCTGTT	ACAGCGGTAA
87001	TGACCATGCC	TGCTCTTTCT	TCTGTGTCAT	ATGCCATTAT	CCCTATTAAT
87051	ACTCTTTGGG	CTTCTATAAT	TATAAAGCAG	ATGTGTATAT	CAGGGAGAGA
87101	TGTTGATTTT	AGAGTAAGTT	TTTCTAGAAA	ATAGAAGCTG	GAAAAAAAAG
87151	GAAAACCCAA	ACTTGCTTTC	GTGCTCGAAG	AGACAGCACT	GCTGTGTGTG
87201	GGCGGGTGGC	TGCGTGCACC	CGCTGCTCAG	AAGTGCCTTT	TCTCTCCATG
87251	GGGATAACTG	GCTGTGTATC	CGAGATGTGG	CCAGGAGTAG	GCAAGCAACG
87301	TGTGGGCAGG	CTGCATGTTT	TTTTATTAGC	ATCTTCATTG	TACTGCATCT
87351	CGTCGAGCCC	AGAGCATGAA	CTGGCCTGGG	TTTCTAATAT	CTACCCTGCT
87401	TCCCACCTAA	TTACTCCCCT	GAACCCTAAA	GTGAGGGAGG	GAGAGTTGCT

FIGURE 3GG

87451	CTTGTGGGGT	GAGCTTTCCC	TGGGGTGGCT	GTGAACCAAC	CTGGCATGTG
87501	GATGTTCTTG	GGTATCCAGA	GCTGTCCTGG	ACTCAGGCTT	GGAGTCAGCT
87551	TCTTAGCACT	GAATGCAGCC	AGTCATGGAT	GGAGGTCACT	GTATCTCACA
87601	TGTTCCGCTC	TCCCTTTCTT	CCATGACCTT	GCCCCTCTGA	GCCTCTGTAG
87651	CACTTTTCTT	GAGTGTGTCC	AAGGCCATCT	AGCTAAGAAG	TAGCAGAAAT
87701	GGGATTTGAA	GCCATGACTG	TTTGGTGATA	GAGCCTCAGC	TTTGAAGTGG
87751	GGTTCTACTG	CCTGGCACCC	CTGCACAAAT	CATGGTAACG	TGGTAGGAGA
87801	ACATAGAGGT	ATAGGGCAAG	CCCCTCCTTA	ATGCCATGAA	TAATACCCAT
87851	CTTATAGGAT	TGTGGGGAGG	ACTCAGTGAA	GTAACCCGTG	AAGCACTAAA
87901	CACGTGCCTG	ACACGTGCTC	AATAAATGAG	CACTTGTCTT	GATGACAAAG
87951	GTCGTGGCAT	TAATTCTCTC	TCCTAGGTTG	TTACTTCCTT	GAGGACAGGA
88001	ATTGTGGCTT	CCTTAATGGC	CACTGCAGCA	GAGTTTCTCA	AGTTGGCACT
88051	ATTGACATTT	TGGGCTGGAT	AATTCTTGTT	GTGGGAGCTG	TCCTGTGGAT
88101	TGTAGGATGT	TGAGCAGCAT	CTTTGGCCTC	TACCCGCTAC	ATATTAATAG
88151	CACCCCTAGT	CATGAAAATA	AAATGTCTAG	ACATTGCCAA	ACTGCCCCTG
88201	TTGAGAACCA	CTGGTCTGCA	GGTATCTCTC	ATGGGGATCA	CAGGGCTTTT
88251	ATATTCTCTT	CTCTGTCTCT	CTCTCTCCCT	CTCTGGGTGT	CTCTCTCTCT
88301	CACACACACG	CTTAGAGAAG	GTGGTTAAAA	AAAATTTTGT	TGAAGTTTGA
88351	GAATTTTGAG	AACAAAGGAA	AAATTTTGGA	AGGCATTTTA	ATGAACAGAT
88401	AGACTCTGTC	CCATTCCATG	GTCAACAGAA	TTTCATAATT	AGATAGTTTG
88451	TTTACTGCAA	CTCTGCACCC	CATTGCCCAT	CATTTTAGAG	TTCCAACCAG
88501	TTAGAGGATT	TTTCTTGCAA	ACTTTCCTTA	AAGCAGTGAT	AGTATCAGCT
88551	CTTTAAATAA	TACTATGCTT	GATGAAGTGG	TACTTTTCGG	GATAATTTGA
88601	GACCAGCCGA	CTTGCTGCTT	GAAGAGGACA	GGGCTATATT	TGGTAATAAT
88651	ATATATGTGA	TAATATGTAT	GTAATATTAT	TATAATGTAA	TATACAATAA
88701	TATTTGGTGT	AACTGGTGAC	TCTGAGGCCA	GTCTTTGATC	GAACCTCTCA
88751	AGCTATGATT	TACATTATGG	TCAATGTTAG	CATAATGCAA	TTATCAGCAA
88801	TCACTTGCTG	TTGCTTTGAA	AGTCAGAAGG	ATGGCTAATA	AAAATCTTAG
88851	AAAAAGAAAA	CAGGCTGGGC	GCAGTGGCTC	ACCCCTGTAA	TCCCAGCACT
88901	TTGGGAGGCT	GAGGCGGGCA	GAGCATGAGG	TCAGGAGATC	GAGACCATCC
88951	TGGCCAACAT	GGTGAAACCC	CATCTGTACT	AGAATACAAA	AAAAAAAAAA
89001	AAATTTGCTG	GGCGTGCTGG	CGTGCGCCTG	TAGTCCCAGC	TACTCGGGAG
89051	CTGAGTCAGG	GGAATCGCTT	GAACCCGGGA	GGTGGAGGTT	GCAGTGAGCC
89101	GAGATTGTGC	CACTGCACTC	CAGCCTGGTG	ACAGAGTGAG	ACTCCGTCTC
89151	AAACAAAACA	AAACAAAACA	AAAAACAAAA	AAAGAAAATC	TTAGAAAAAG
89201	AAAATAAATT	GTAATATTTT	AGAATATTTG	TTGGGGAGGA	TATGTGTGCT
89251	CAAGAAATAT	ATACTGAGAA	CTTACCATTG	ATGCTAGAGA	TTGAATTGCC
89301	CCATGTCTAC	ATGAAAAATG	AATAGAATAT	AAACATTTTA	AATTGAGCCA
89351	TGTCTATCTG	TATTATATTT	CTTTTATAGA	AATTCATGGA	AATGGTATAT
89401	TTTAACTGAA	TTATTAACAC	TGGGGACAAT	AGGCTTTAAT	CATTATCTAA
89451	TACCTGTACG	TTGTTTTGAA	ATTCATAGCC	CACCACCATT	AATTTCAAAA
89501	TTGGGTTCTT	ACTCAAAGAG	TGATGAAAAG	GCACCAGTAC	CAAATGGTCT
89551	GGCCAAAATG	CTACATGGAA	CTAAATGCTG	GGGATGGTCA	TACAATGAGT
89601	TTTAAGTGCG	TAGACCCTAA	ATCAGAAGCA	CTTTCTTCTA	ATTAGCACCA
89651	TGGTTCTTAA	TCCTTTCTGT	ACATTACAAT	CGCTCAGCAG	CTTAATACAA
89701	ATGTTGCTTC	CCGGGGCCAC	ACTCCACATC	TTTCTGACTC	TCTGATTTAA
89751	TTGGTCCGAA	TGGGGCCTAT	ACATCAGGTG	TTTTTTAAAA	GGTCTCCAAG
89801	TGATTCTAAT	GTGTACCTGC	ATTGAGGACC	AGGGAAGGTG	TAGGAAGCCT
89851	GATAACCTTT	ACTCTCCAGC	CTCATCCTCC	AATCCCATGA	TTGTTTATGG
89901	GATTGTTGCT	ACACACCCAG	CTTAGTCATA	GCATTCTTAC	TCTAGCTTTT
89951	TTTTAGATGC	AATTTTTATT	TATTCTTAAA	GAAAAAGATT	TCTTTAGCAC
90001	CTTTATTCTA	AAGAGCTCTT	AATTGCTGTG	CTTAGAACTT	CTAAACAGTG
90051	AGCATTTGTC	AAACATAGAA	TAGCAGAATG	AAGGGGTTGG	ACCTCGGGTG

FIGURE 3HH

90101	AGGAGGGCTG	TCGCATGGTC	TCTTTCGAGT	GCCGGCGGGT	GGGGGCTGCA
90151	CATCTCCTCG	CTTCTGGGCC	CATTGATAAG	TGACCTAAAA	GTGCCTTTTCG
90201	TTTTTTTTTG	TGGGGGGTGA	AAAAGCAATC	TGTTTTGTAC	CCACAGCGGT
90251	GCACTTTAAA	CAGGAAGCCC	TACTGGGGCC	AGCCTTCTAT	GTGTCATTAA
90301	GTTCCTCAG	CCACATCCTA	CCTATCATCA	TGCACCCATG	TCATCGTTCT
90351	TTTAAAGGGT	GCCAGTTTTT	TGCTTAAAGCA	CAAGGAGCTG	TGACCTGTGT
90401	TGTCATCCCT	GATGCATGTC	ATGCATGTGA	CTTCATGACA	TGTGGGTGAC
90451	TTTTGATCTC	TGAAGGACCA	GGGACCCAGT	CTGTGGATCA	CCACTCTCTC
90501	CGTGGGTGGT	TTGGGTCTTG	TTCTCTAGCC	CACCCAGCCA	GGTGCAATTA
90551	GGAATAAAGG	AAATAGCAAA	GGAATTTTGC	TCAAGGCCAT	GCCAAGCATT
90601	TCATCTCATA	TGAAAAGGAA	AAGAGAGAGA	GTGTGTGTGT	GTTGGCTAGA
90651	TTTAGGTTAG	AAACAGGCTG	GTGAGAAGCG	TAGAACTTGG	TTAAAATTTTC
90701	TAGCCAAAAG	TAAGATTTTT	AAAAAGATTT	ATTTCTGGAT	CCAATCCCTG
90751	TTGCCCATT	CTATGAATAA	TCACCATTG	TTTTAATGTG	AATAATAGCA
90801	CACAGCAAA	TCAGCCCCCT	GAGTTTTACC	ATTTTAAGCA	ATTGCTTTAG
90851	GCCCGTGAGG	CATGTACTAT	TTATGAAGTT	GCATGGGTAG	TAATGGAAAA
90901	GACAACAATG	ACAGTAGTAA	CAGGTGACAT	TTGTCGAACA	CTTGCACTGT
90951	GCCAGGCACT	GTGCTGAGAG	CATTACATGC	ATTATTTTCAT	TTAATCCTTC
91001	CAAGAACTCT	TTGAAGTAGG	TTGGTAATTA	TGGCCATTTT	ACAATTGAGG
91051	AAACTGAGGT	TCGGAGATGT	CAAATAACTA	GTCAGTGGTG	GGGGTCAGAT
91101	TTTTCTTTTT	TTTTTAAATT	TATTTGCTTT	TTTTTTTTTT	TTTTTTGAGA
91151	CGGAGTCTCA	CTCTGTTGCC	CAGGCTGAGT	GCTGTGGTGC	CATCTTGGCT
91201	CACTGCAAGT	TCCGCCTCCC	GGGTTACGCG	CATTCTCCTG	CCTCAGCCTC
91251	CGGAGTAGCT	GGGACTACAG	GCGCCACCA	CCAGGCCTGG	CTAATTTTTT
91301	GTATTTTTAG	TAGAGACGAG	GTTTCACCGT	GTTAGCCAGG	ATGGTCTGGA
91351	TCTCCTGACC	TCGTGATCCG	CTTGCCTCGG	CCCCCAAAG	TGCTGAGATT
91401	ACAGGCATCA	GCCACCGCGC	CCGGCCTATT	TGTTTTTTTT	TTTAAGAGAC
91451	AAGGTCTTGC	TGTGTTACCC	AGACTGGAGT	GCAGTGGTAC	AATCGTAGCT
91501	CACTGTAGCC	TTGAACCTCT	GGGCTCGAGC	GATCCTCCCA	CCCCAGCCTC
91551	CCACGTAGCT	GGGACTAGAG	GCGTAGGCA	CTATGCCCGA	CTCATTTTTA
91601	AACATTTTTT	ATAGAGACGG	CTGGGTGTGG	TACCTGTAAT	CCCAGCACTT
91651	TGGGAGACTG	AGGCGGGCGG	ATTGCTTGAG	CCCAGGAATT	TGAGACCAGC
91701	CTGGGCAACA	TGGAGAAACC	CCGTGTCTAC	AAAAAATACA	AAAATCAGCT
91751	GGGTGTGGTG	GTGCGTGCCT	GTAGTTCCAG	TTACTGGGGA	GGCTGAGGTA
91801	AGAGAATCAC	TTGAGTCTGG	GAAGTCGAGG	CTGCAGTGAC	CTGGGACCAC
91851	CGCACTCCAG	CCTGGGCATC	GGAGTGAGAC	TGTCTTTCAA	AAAATAATTT
91901	ATTTATTTAT	TTTAAAAATA	GAGACAGGGT	ATTGCTGTGT	TGCCCAGGCC
91951	CGTCTTGAAC	TTCTGGCCTC	AAGTGATCCT	TCTGCCTCGG	CCTCCCAAAG
92001	TGTTGAGATT	ATAGGCATGT	GCCACTGTGC	CCAGCCTGAG	ATTTTGAACA
92051	GAGGAGCATG	ATGCTGGGCG	TTGACTCATT	TGGCTGTGAG	TGTGGAAAGC
92101	TGTCAC TGGA	GTACAGCAAG	TCAGCACTAT	CAAGCCAGCC	CTTGTCAATTG
92151	CCAGGAGCTG	CGGGGAGAGA	GGTGTTTTGC	ATTGCTGCAG	GGAAGTGAAC
92201	TCTTTTAGTC	AGGGAAGTAG	TTTGGGCAGT	AGAAAGCAGA	ACTTGCACCT
92251	GCTGGTAAGA	TCTGAGTGGT	CACTGACAAC	CAGCTCTGCA	ACCCTGTTAC
92301	CAGGGCAACA	AAGATGGGCC	CAGGGGTAGT	GGTGGGCTCT	GCCACATCTC
92351	TCTGTGCATA	AGAACCTTTG	GCCACTTGCT	CTGGCCTTGT	CTTTACACAA
92401	TCCCAGTGTT	CATATCCAGT	GTACCAACCA	CTGAGGGCAG	CTGTCCTGGA
92451	ATCTGTCTCT	CATCTCTGCC	CATAATTAAC	TGCTTCTGGG	CACAGTGCAT
92501	GAGTTACATA	GATGAGTGTG	GGTAAGTTTG	CCCTTTCTGT	GGGGGGGAGCA
92551	TCCTTTTGGT	CCACTCTCAG	GAGGGCATCC	TATGTTATTT	TTGTGATATT
92601	TTCTTAAGAG	TTGTATAAGC	AAGTGCATCA	AGCCAACTTG	TCTACCCACAG
92651	CTCCCTCTTG	AGACCAGCAG	AAACTATTTA	TCAACTGGCA	GTTTACGTAA
92701	CCTCTCTGGG	CCTCAATTTT	CTCATATAAA	ATGAGGATAA	TAAATCGTAT

FIGURE 3II

92751	CTGCTCATAG	AGTTGCTGTG	GGGAGTAAAG	AGTTCAAATG	TATCTGTCAG
92801	TGAAGGAAAA	AAGAAAAAAA	AACAAAAACA	AAGAGTTCAA	ATATATCTAG
92851	CGTTCAAACA	GAACCAGGTA	TGCAGCCAGT	GCCCAATAGG	TGTATGAGTT
92901	TCCTATGGCC	AATGTAACAA	ATGACCACAA	ACTTAGTGCC	TTAAAAACAAC
92951	ACACATTTAT	TATTTTACAG	TTCTGGAGGT	CAGAAAGTCTA	AGATGATGCC
93001	AGGCTTGGTG	GCTCAAGCCT	GTAATCCCGA	CACTTTGGGA	GGCTGAGGTG
93051	GCAGGATCAC	TTGAGGTCAG	GAGTTCCAGA	CTAGCCTAGC	CAACATGGTG
93101	AAACCCCATC	TCTACTAAAA	ATACAAAAAT	TAGTCAGGCA	CGGTCACGAG
93151	CACCTGTAAT	CCCACTACT	CAGGAGGCTG	AGGCAGGAGA	ATTGCTTGAA
93201	CCCAGGAGGT	GGAGGTTGCA	GTGAGCCGAG	GTTGCAGTGA	GCCGAGGTTG
93251	CACCACTGCA	CTCCAGCCTG	GGCAACAGAA	CGCGACCCTG	TTTCCAAGAA
93301	AAAAAAAAAAG	TCCGGGATGA	GTTTTACTGG	GCTGAGATCA	GTGTAGACAA
93351	GGCTGCCCTC	TCTCTGGAGG	CTCTAGGGCA	GAATCTGTTT	CCTTGTCTTT
93401	TCCAGCTTCT	AGAGGTTGCC	TGCATTCTT	GGCTTGTGGC	CCCTTCCTCC
93451	GTGTTCAAAG	CCATTGGTGT	AACATCTTCA	GGTCTCTGTG	ACTCCGATCC
93501	TTGCTTCCAT	CTTATAAGGA	TCCTTGTGAT	TTTATTGTAC	CCATCCAGAT
93551	ATCCCAGGAG	AATCTTTCCA	TCCCAAGATC	CATAACTTAA	ATCCCATCTG
93601	CAAAGTCCCT	TTTGCCATGT	GTGGTAATAT	ATTCACAGCT	TGCAGAGATC
93651	AGGACATGGG	CATCTTTGGG	AAACGGGAAG	GGGGCATTAT	TTGACCTAAC
93701	ATCAAGAGCA	TGAGATGTTT	TTGTAAAATG	AAACAAATGT	TGCAGCTTCC
93751	TAATGCAGCT	TCTTAGGCC	ACCTGCAGGC	CCCCTTGACG	TTGGTTTTTC
93801	TCTACCTAGG	TCTGTTGTGT	CGGGTCTGGA	CTCCCCTGCC	AAGACTAGCT
93851	CCATGGAAAA	GAAACTTCTC	ATCAAAAAGCA	AAGAGCTACA	AGACTCTCAG
93901	GACAAGTGTC	ACAAGGTATT	TATTTCCGCA	GCCGGCCTCC	TTCCTTGCTC
93951	CAGGATCCTC	CCGTCCGTAT	ATGCCAAGGG	ATCCGCCCGG	GGCCGCTGCT
94001	GGCTCTGAGC	CGCCTGATCC	GTAGAGAGTG	AGGCGCTCCT	GCCTTCGCTG
94051	AAGTCGCGCC	TCCAGCAGCT	CAGAGGGAGA	TGAATTCGGG	CCTTGCTGTT
94101	GCTGTAATCT	CTTTAAATCT	AAACCAGAGG	AGGCCCTGGA	TTTAAACAGT
94151	CCGTTTCTCA	GCATGACCCA	GCCAGATGTC	TGCTTCTTCC	GGCAGGTGGC
94201	CTGGGTCCTC	ACCTGTGGCT	GAGATACATC	CCATCTGCTT	TGAGTGATGC
94251	GAAGTCTCTC	TTCTAGTCT	TTTAAAACTC	CTGCTTATGT	CACTGCGGCC
94301	ACTGTGTTGA	TTACGCTCAA	CGTCTCTTAA	CATTCAGTGT	TCCTGCCCAG
94351	AGGCAACGCT	CTGGAAACTA	ATAAGTCACT	GCTTGCCTGG	GACTCCTAAG
94401	AGTGCAGACG	AATAAATATC	TCCTTGCCCT	GTCCTGGATT	TGTCCTCTAG
94451	ATCTTTGCAA	GGAGATGGGG	GGGGATCAAG	ATGGATTTGG	GATAAAATTA
94501	AAGTGACGTC	TGCAAAAAACA	AAACAAAAAC	AAAAGCAAAC	AGGTGAAAAA
94551	TGATGATTGT	GGCTTCCTTG	CTAACTGGGT	TAGAGAAAGTG	ATCAAGTGTC
94601	AACCGGGACT	TGAATGAGAG	GAGTGACTTA	GCATTTGGTG	ACTGTCCTTA
94651	ACGAAGAACT	GTGCGCTCCT	GGGCGAAGAA	ACAATGGTAT	TTCCATCCCA
94701	ACTTAACTTT	TGGCGAATTA	GCCTTAGCCC	AGACCACCAG	GTGGTTTCGG
94751	AGGCTACTTG	AGATGTGATT	GCTCCTAATG	AACCTCCACG	GGCCTTTTTA
94801	ACCTGTCGAT	GTGTTTATTT	CAGATGGAGC	AGGAAATGAC	CCGGTTACAT
94851	CGGAGAGTGT	CAGAGGTGGA	GGCTGTGCTT	AGTCAGAAGG	AGGTGGAGCT
94901	GAAGGCCTCT	GAGACTCAGA	GATCCCTCCT	GGAGCAGGAC	CTTGCTACCT
94951	ACATCACAGA	ATGCAGTGTG	AGCCTTCCCT	GAAGCCCCCT	TCCCTTGGAG
95001	GTGGCACTTC	CTGTTGTGTG	TGTCTCATCC	TGTTTCATGA	TGACTCCATG
95051	AGGCACATCA	CAGCCAATGG	CAGAGAGTAG	AGAGAGGGAG	AGCACAAAAG
95101	CAAGATCTGT	GTTTTGCAGA	GTAGTGAGAG	CCAGGCGTAA	GGTCCCCAAG
95151	AAATGAGATT	GGACTCATTT	CCAGCAGAAA	GTGCAGGTAG	ACGGCTGGTA
95201	CCATGGAGTC	TGGAGATGGG	AGTAATTCAT	CTTTGCCGCA	AGTTGCAAAA
95251	GATCTTAACA	TCTCCCATCC	CAGCCTCTGT	GGTCTGCGTT	GTGTCTGACA
95301	TGAGCAACCT	TGAGCAACCA	ACTCCCAACT	ATGTACAAGA	AAACTTACTT
95351	TCAATCTTCC	TGACATCAAA	TTTTCCATTG	GCCAGAACCA	GTGTAGTGAC

FIGURE 3JJ

95401	AAGAAAATAG	CCTTGAAAAC	CCAGACCCTC	TGTCATTATT	TACCATGTGA
95451	CTTTCATTTT	TTCTTTCCTT	CACAAGAGTA	GA CTGTCTTC	TTCTCCATTG
95501	TCTTGTTAAA	TTTTTCATTC	AGGTGTTTTT	TAATGTGCCC	AATTAACAG
95551	TCTCAAGAAG	TTGAATCACA	CATTCTCTAA	GTTTTTTTCA	CAAGGGAGAG
95601	GAAATCTATA	GAACGTGGCT	GATTAAGAAT	AACTGCTATG	TTTCCATTCC
95651	AGACTTGGCT	GCCTTTCAGT	GGTGGGTGAA	GTTATTTCAGC	TATGTATTTC
95701	AGATATAGAT	TTCAGTGCCA	TTGAAGCATT	AAGGGATTCT	TATGGATGAA
95751	AGGTGTCCAG	GAAAAATAAG	CCAGGAGGTA	GAAATAGACC	ACTTGGAGTC
95801	TTAAATGACA	ACTGGGCAGA	GGATATGAAG	TCATTGCTAC	TTTGAAAGAG
95851	GCATATGTAC	TTTAGGGCCC	ACAAATAACT	G TAGAAAACA	CTTTGTAGCT
95901	ATCCACATGG	TGGCTGTAAT	AGCTACTGGG	TCTTAATAGG	TTTTAGTCCT
95951	GAACATGCAA	GTAAGTATCT	CCTAGGACAG	G TAGATGGTG	GCAGGAGACA
96001	GGCTGATGCA	GTTTCCGGCT	GGACTAATTT	TTGTATTGTT	AGTAGAGATG
96051	GGGTTTCATC	ATGTTGGTCA	GGCTTGTCTT	GA ACTCCTGA	CCTCAGGTGA
96101	TCCACCCGCC	TCGCCCTCCC	AAAATGCTGG	GATTACAGGC	GTGAGCTACT
96151	CGC CCCAGCC	ATTTGTGTCT	CTTAAAAAAA	AACTAAGAA	AATGAAAAAA
96201	ATGACATTGG	CCAATTCATT	AAAATGCCAC	TC ACTGACTG	TGGTATGAAA
96251	TGGCTTTCCC	TTTGATGGAC	CGAAGTCTGT	CTCATTGTGT	GAGCCACTTG
96301	CAGGGCTGAG	TATGACTNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
96951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
97001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
97051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
97101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNTCGGCC	TCCCAAGTGC
97151	TGGGATTACA	GGCGTGAGCC	ACTGCTCCTG	GCCCCACGC	CTTTTTTTTT
97201	TTTTGGAGAC	AGAGTTTCAC	TCTGTCACCC	AGATTGGAGT	GCTGTGGCAC
97251	AATCTCAGCT	CATTGTGTCC	TCTGCCTCCC	AGGTTCAAGT	GATTCTTGTG
97301	CCTCAGCCTC	CTGAGTAGGT	GGAATTACAG	GCGTGCACCA	CAACACCTGG
97351	CTAATTTTTG	TATTTTTAGT	AGAGATGGGG	TTTCACCATG	TTGGCCAGGC
97401	TGGTCTCGAT	CTCCTGACCT	CCAGTGATCC	ACTTGCCTAG	GCCTCCCAAA
97451	GTGTTGGGAT	TACAGGCGTC	AGCCACCATG	CCTGGACCCC	TCTGCCCTTT
97501	TAAGCACTGC	CACATATTAG	ATCTACGAAG	GCTTTATGGA	TACAATCCAA
97551	GGAAGATGAA	CCTTGGGCTA	GTGGGATAAA	ACTAAGCGCA	TGTAGTTAGA
97601	ATGGAATGAT	CTGGAAACCA	GGTCCCAAGT	TGGTCTAAAT	TAGACTCATG
97651	TTGACTATGT	CACACTGTAA	ACCAGTCTAA	ATGCTAATAA	GCATGCTTGA
97701	CCAAACACTG	CCCTGCAGCC	TTCAGAGAGG	AAGAAGGAAA	ACATAATTTG
97751	TATCCTCTCT	CCCTATTTTC	TGAGTCTATG	GGATTCAAAT	TGTAGCTGCC
97801	ATGGAAACTG	TACTTTGGAA	TTTCTAGAGC	CCTTAATTTT	AACTTAACAT
97851	ATAAAAACAC	TTTTGTACTG	ATTTTATAAT	TATTCATGAT	GGATGAGAAA
97901	TTGAATGTCT	TTGACAGTGA	GGAAGCTAT	CCGAATGCTA	TTTTCTTTTT
97951	TTTTTTTCTT	TCATAAAGAT	GCATATATTT	GCATGCTTTA	TTTACCTGGG
98001	GCTAACTCTT	GCATCTTTTG	CAGATTCCGA	CACCATAGCT	GAGTTACAGG

FIGURE 3KK

98051 AGCTCCAGCC TTCGGCAAAG GACTTCGAAG TCAGAAGTCT TGTAGGTTGT
98101 GGTCACCTTG CTGAAGTGCA GGTGGTAAGA GAGAAAGCAA CCGGGGACAT
98151 CTATGCTATG AAAGTGATGA AGAAGAAGGC TTTATTGGCC CAGGAGCAGG
98201 TAGGAGGATT TTAACATCAT GCTTTTCCAC TTTCTGTACC GGAGTGTTCA
98251 TTGCAAAGAC GATAATCTGC TGCATGGCG TCTAGGATCA AGCAGCTTTT
98301 CCTCTGTGAC TCTATATTTA ATTATAGTTG GGGCAAAAAG GTCTCTCATG
98351 TTCTTAGCTC ATCTTCTTGA ACTGATGTTG GCTAATTTTG AAGGCTCACA
98401 AATTCCTCTT GATGTATCAT GTTCTATCG TTGTAATTTA TTTCAGAACC
98451 AAGGTGGCCT TTTAGCTAAT GAATTTAAGA TGATCTTTTA TGACCATTAG
98501 CTGAGGACTC AGGATATACA TATGGTGGGG TGAATCAGAT TGCTTTTGTA
98551 CACGCTTTAG GTATTTGTGT TGTGGGCATA TGGATTTGGT TTTAAAACAG
98601 GCCTTTGAAG AAATCAAATA ACATTCTTTG TTATGTGGCT AGGGAGTTGC
98651 TTGTTTGAGA GCAGGTAGAA CGTTATCTTT TTTGTTGTGG TATTTTCTT
98701 TCTTTTAAAC AAGGCTACTG TCTCTAGACA TATTGATTCA TTTGCTGTGT
98751 TTTAGAGAGA TGGCCGTCAG CCTTGGAATT CAGAGAGTAA TTTATTACTT
98801 ACAGACATTT TAGTGACAT GATATGTCTG ATAATGTACC CAGCTCTGCA
98851 GGAAGCTTGC AAAAGGAATA GAAGTCCCAT GTTTGCTATT TTCAGTGTTT
98901 AAAACAACC TTGGAAGTG GAGGAAAAT GCAAATGTAT AAAGCAGGTG
98951 CTTACCAGCT AAAGTATCAC AGAAGTGGGA GAGCAATTAG CAAATTAATT
99001 AACGATGATG TGAGGGGAGA GTTGTGGGT GAGCAAGGGA CAGTTAGGGA
99051 CAGTTCTCAC CGATGGGGGG AAATGTAGGT TCTCGGCAGA GAGAAGTGAT
99101 GAGAACATGT TGGGTAGAAG TGTGACATTC TGGAGTACTA GAATGCTATG
99151 CAAGTGTGTG TGTGTGGGTG TGTGTGTGTG TTCAGTGGTT CAGAACAGAC
99201 TGGGAAATGG CGAAATGAGG ACATTTGGGT GGGGAGGGGG AAATGGGTGG
99251 GAAACTCAAG AACCTTTTTT TAAAAAATTG TGGTAAAATA TATATAACAT
99301 AAAGTGTACC ATTTTAACCA TTTTAAATG TGCAACTGAG TGGTATTAG
99351 TGCATTCATG ATGTTGTACA ACCATGACCG CTCTCCATT CTAGAATTTT
99401 TCTATCATCC CAAACAGAAA CTCTCTATCC ATTATACAAT ACCTCCCCAT
99451 TCCCCAAGA ACCAGTTTTT GAATTGCAGT TTACTTTGTG AGGCTGTTGG
99501 GGATTATTTA GGCCTCTGGA AGGAGGAGGT TGGGATCAGA GTCTGGCCCT
99551 GTGGACTTCA ATGACTTTGT GTGGCCTCCA ATCAGAGAAG CAGCGGAGGG
99601 CAGGAAGCTG CTTGTCAGAA TCTGAGAGTG ATGTGGCTTC TTTGTTTATG
99651 AATAAAATGT GAGCACATAA TAGAAAGGAA AAGTGACAGG ACATGGCAGA
99701 TAATTTGGAA GAGAGGAGTG GAAGATGCTC ACTCAGCCTC CCAGCTCCTG
99751 AGAAAGAACT GTGTCTCATC AGTTCATACT ACCTGAGCAT CTGTTGTATC
99801 TGGTGTGTTT CTAGGTACCT GGAGAAGAGG CATTACGTGT AGCCCTGACC
99851 TTGTGATGCT TATGTTTTTG ATGGGAAATA GTGCGTGTA AAAGAAAATA
99901 ATCCAACAGG CCACACGGCA GGCAAACAAT AGAGATATTC AAATAGGTAT
99951 ACCTTCCTCC AGGTGAATGG CCTGAAATGA CCGTGTGGAA GTGTGGGCTG
100001 GGGGCTTATA AAATTATACA CATAAGGCG CTAATAAAG CCGCCTATT
100051 ATTCCTTAAG AGGATGCATA GAAAAGAAAA GTAGGGTCCT TTAAGTGAAG
100101 CCATTTGAAT TTAGGGCCTG AGAGAAGCAG CACAAGCAGT GAAGGGAAGA
100151 AAAAGAAGTG CCCGAGAGGA GGGAGGGATT CTGTTCTGCA GACAAGGCCT
100201 GCCGCTGGG AGAGGCCCGC ACGCCACCC AGGGTTCTCT GACAGCTGGA
100251 AGGGGTCTTC AGAGACTGTT TATATTTTAT TTATTTATTT ATTTATTTAT
100301 TNTGAGACAG AGTCTCTGTC ACCCAGGCTG GAGTGCAGTG GTGCGATCTC
100351 AGCTCACTGC AAGCTCCGCC TCCCAGGTT ACACCATTTT CCTATCTCAG
100401 CCTCCCGAGT AGCTGGGACT ACAGGCGCCT GCCACAATGC CCGGCTAATT
100451 TTTTTGTAAT TTTAGTAGAG ACGGGGTTTT ACCTGCGTTA GCCAGGTATG
100501 GTCTTGATCT CCTGACCTCA TGATTCGCCC ACCTCGGCCT CCCAAAGTGC
100551 TGGGATTACA GGTGTGAGCC ACTGTGCCTG GCCGACTGTT TCTACTATTT
100601 TAGAGAGAGG GTCTCACTGT CATCTGTGCT GGAATGCAGT GATGCAGTCA
100651 TAGCTCACTG CACCCTCAAA CTCCTGGGCT TAAGCGACCC TCCCGCCTCA

FIGURE 3LL

100701	GCCTCTTAAG	TAGCTGGGAC	CATAGGCATG	TGCTGCCACA	CCCAGTTAAC
100751	TTTATTATTT	ATTTATTTAT	TTAGAGAATG	AGTCTCATTC	TGTTGCCCAG
100801	GCTAGAGGTG	CAGTGGCACG	ATCTCGGCTC	ACTGCAACCC	CGCCTCCCAG
100851	GTTCAAGCGA	TTCTTCTTGC	TCAGCCTCCT	GAATAGCTGG	GATTACAGGC
100901	ACCTGCCACC	ACACCTGGCT	AATTTTGTGA	TTTTTAGTGC	AGAGGGGGGN
100951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
101951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
102801	NNNNNNNNNN	NNNNNNNTATA	TGTGCATACA	GAATATATAC	ACAGAAATAT
102851	ATATGTACAC	ATGCATAGAA	TATATTTACA	TATATATGCA	TATATATAAT
102901	TTATTTATTT	TAAGCAGTTG	ATTTATACAG	TTTTTGTTTT	TGTTTTTTTT
102951	TTGAGACAGA	GTCTCACTCT	GTCACCCAGG	CTAGAGTGCA	GTGGCGAGAT
103001	CTCAGCTCAC	TGCAACCTCT	GCCCCCGGGT	TCCAGTGATT	CTCCTGCCTC
103051	AGCTCCACAA	GTAGCACACC	ACCATGCCCA	GCTAATTTTT	GTATTTTTTT
103101	TAGTAGAGAC	GAGGTTTCAT	CATGTTGGCC	AGGCTGGTCT	CGAACTCCTG
103151	ACCTCAAGTG	ATCCGCCCGC	CTTGGCCTCC	CAAAGTGCTG	GGATTTT CAGG
103201	CGTGAGCCAC	CACACCTGGC	TCCCATAATG	TCTTTTAGAA	TAAAACGATC
103251	GAGTTGAGGA	TCACACGTGA	CACTTAATTG	TCCTGTCTCT	TTAGTCTCCT
103301	TCAATCTGGA	GCAGTTCCTT	GATTTTTCCT	GGACTCTCAT	GACCTTGACA

FIGURE 3MM

103351	ATTCTGATGA	TTATAGGCCA	GTTATTTTGT	AAAATTTGAA	TTTGTCTGAT
103401	GTTGCTTATG	TTTAGATTTA	GGGTCTTGGT	CTTTGGCCGG	AATATCTCAG
103451	ACAAGATGCT	CTGTTCTTAT	TGCATCAGAG	CAGAAGACTC	TCTGTTTCAG
103501	TTGATCACAT	TTATGTTGAT	GCTCACTTTG	ATCACTTGAT	TAAGGTGGTG
103551	TCAGTTATGC	CTTTCTACTT	GTAGGGTTAC	TCCTTCCTCC	TTCGTGATTT
103601	TATTTATTTT	ATTTTCTTA	GAGACAGGGT	CTTGCTTGGT	TGCCCAAGCT
103651	GGAGTGCAGT	GGTGGGATCT	TGGCTCACTG	CAGCCTTGAA	CTCCTGGGCT
103701	CAAGTAATCC	ACCTGCCACA	GCCTCCTGAG	TAACTGGGAC	TGTAAGCGAA
103751	CACCACCACA	CCCAGCTACT	TTTTGTATTG	TAGAGATGGG	GTCTCACTGT
103801	GTTGTCCAGG	CTGGTCTGTA	ACTCCTGGCC	TCAAGCAGTC	TTCCGGCCTT
103851	GGCCTCCCGA	AGTGCTGGGA	TTACAGGCAT	GAGCCACTGC	ACCCAGCCTC
103901	CTTTGTAATT	AAAAAAGTAT	TTTATGGGGA	GTTACTTTCA	AGTGATGGAA
103951	ATATTTTATA	TCTATGTGGA	CTTGGATTTT	CCTATTTTCAG	TCAGTGAGTT
104001	ATAATCCATT	TCTGTCACTA	GTTTTATACT	TAAATTGTTC	CCAACTTGGC
104051	CAGTGAGAAC	CTTTTATAGT	TAGCTTTTGT	GTCCTTTTCA	CATGTCTCCA
104101	AGATTCATTG	AATACTTTCC	TGCTTTCTGG	TATAGCAAGA	TGTTCAAGTT
104151	CTTTTGGTAC	TTTTACTTTC	TCTGCCCTGG	CTCTGGCATC	AGTCATTTCT
104201	CAGAGGAGCC	CTGTGCCTTT	CAGTGGACAA	TGGTGTTTAG	AGGCCAAGAT
104251	CTGGACATTG	GGTGTTTTCA	TTGCTACCGG	TGTGTCACTA	CTCCCAGACC
104301	CCTTTCAGTG	GACAGCACTA	AGGAATACAC	ATACGTATAT	ACAATATATC
104351	CACCTACACA	TGTGCGTGCA	CTCACACACA	CACATATACA	TTACATCTAT
104401	ATTTGTGTAT	CCATGTCTAT	ATATTGAAAA	TTGTGGCTGG	GCACAGTGGC
104451	TTATGCCTTT	AATCTCAGCA	TTTTGGGAGG	CTGAGGCAAG	AGGATCACCT
104501	GAAGCCAGGA	GTTCAACACC	AGCTTGGGAA	ACAGAGAGAG	ACTCTGTCTC
104551	TACAAAAATA	AAAAGGGGAA	ACCATGAGTT	CACACCCGTG	CCCCCAGTTC
104601	CAATCCAACT	TCACAGGGTT	CATTTTAGTT	TTCACCCTTT	CCATGTTTGT
104651	AATTCTCTTC	TCTGACATTA	TACCCTTAAT	ATGTTTACTT	ATTTTATGCA
104701	TCTGATGCA	TCCAATCTAC	TGTCTTTGTT	GGTATCCAC	CTCCCCTTGG
104751	TGGGTCCAGA	TAATCTGCTC	TGGGTTGCC	TTTCACGTGG	ATGTCTTCCT
104801	TACCCTGTGT	GGGCCTGTGA	TACTGGGCTG	CCCCCACACA	TGAGTGCTGC
104851	CCTCCTCACG	TTGCTTGGGA	CGGCACTGTG	TCCTGGGCCA	CCATGACTTT
104901	TCTCATAACT	AGCGTGGATG	CTTACCTTGT	TCCACACCAG	TGAATGGCTT
104951	CAGGAAGAGA	AGAGGAAGAG	AAAAATATTT	ACATTTAAAG	AAAGGTAGTT
105001	TAAAGAAATA	TGTTAGGTAA	AGAATTGAGC	AGGTAATATA	CGGAGCTGGC
105051	AAAAATTGTG	ACCAAAGTAG	GTGAATGATT	GAGATTTATG	CAATTCTGGG
105101	CTAAGTGACA	GCCCCCTTCC	TTTCCCTTCC	CTTCCCCTTC	CCTTCCCTTT
105151	TCTTCCCTTT	CCCTTCCCTT	TCCTTCCCTT	TCCCTTCCCC	TTCCCTTCCC
105201	TTTCCCTTCC	TTTCCCTCTT	CTTCCCTTCT	TCCTTCTGTT	TTCTTTTCCC
105251	TTCTTTCTTT	TGCTTTTTTT	TTTTTTTTAA	AGCTAGAAAC	ATCAGTTTAG
105301	GCATAAAGAC	AGAGGAAAAG	GCTTCTTTTT	CCTCTCACAG	TTCTTTATAA
105351	TTGTCTAAGC	AGTTTCTTTT	TTCCCTAGGT	TTCATTTTTT	GAGGAAGAGC
105401	GGAACATATT	ATCTCGAAGC	ACAAGCCCGG	GATCCCCCAA	TTANNNNNNN
105451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
105501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
105551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
105601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
105651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
105701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
105751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
105801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
105851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
105901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
105951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN

FIGURE 3NN

106001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
106051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
106101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
106151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
106201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
106251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
106301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
106351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
106401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
106451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNATGGAGT
106501	CTTGCTCTGT	TGTCCAGGCT	GGAGTGCAGT	GGTGTGATCT	TGGCTCACTG
106551	CAACCTCCGC	CTCCTGGGTT	GAAGCGATTC	TCCTGCCTCA	GCCCCCTGAA
106601	TAGCTGGGAT	TACAGGCATG	TGCCACCACG	CCTGGCTAAT	TTTTGTATTT
106651	TTAATAGACA	CGGGGTTTCA	CCATGTTGGT	CAGGCTGGTC	TCGAACTCCT
106701	GACCTCAGGT	GATCTGCATG	CCTAGGCCTC	CCAAAGTGCT	GGGATTACAG
106751	GCATGAGCCA	CTGCGCCTGG	CCAAC TTATT	TAAC TTTTTT	GAGACAGGGT
106801	CTCACTCTGT	CACCCAGGCT	GGAGTGCAGT	GGCATGATCA	TGGCTCACTG
106851	CAGCCTCAAA	TTGCAGGGCT	CAAGTGATTC	TCCTGCTTCA	CCTTCCTGAT
106901	TAGCTGGGAC	AACAGGTACA	AACCACCATG	CCTAGCTAAT	TTTTAAATTT
106951	TCTGTAGAGA	CTAGGGTCTC	ACTATGTTGC	CCAGGCTGGT	TTCGAACTCC
107001	TGAGCTCAAG	AGATCTTCCT	GCCTTGGCCT	TCCAAAGTGC	TGGGATTACA
107051	GGTGTGAGCC	CCATGCCCAG	CTCCGGTGGG	GGATATTTCT	ATATCCACAT
107101	GTGTATAGTT	TACTTTATAA	AAATGGTATG	TTACTCTGTG	CTTGGCTCTC
107151	CAGCTTGCTG	TTGCCTTTCA	CCAGTGTATC	CCAGACATCC	TTTCTTCCTT
107201	GTCAGTAACG	CAGGTCTACT	TTATTCTTTG	AGCAGTGGCA	TAATTTTCCC
107251	TGATGTGTAT	ATATCATAAG	TTAGAGAATG	CTAAAATTCA	TTTTGGGGCC
107301	TTGTTTAGGT	TCTTGAGGGA	TTAAATTCCT	AAATTTAACA	AGTGTATCCT
107351	GGAAACAATT	TTTGTTCTCG	ATTCAGCCCT	TAAAAGAGGA	CTATCATGTT
107401	ACCTTGAATG	GAGATAAACA	GGCTCACGTA	AGAGAAAAGG	GTAAGAGGGA
107451	TGAACTCCCA	CTTATCTTAA	ACTTCTACTG	GCCCGTTTTT	GGGGAATTTG
107501	CTGCTTTTAT	TCCTGACCTA	AAATAAATAA	GTTTATGTGT	CTTGGTTTCA
107551	TATTAGTTGA	GAACCCAGTG	CCTGGAGAGA	AGTTTTCTCT	GTCCTCTGAG
107601	TGAGGACATT	CACATATGAA	TCTATTGGCA	GA CTGGCTTT	GA CTGACCAC
107651	ACGTGCCTTC	AGAACCAATG	CCACAGCTCT	TAGGTTTATG	GCCTGAAACA
107701	CCCTTTCTTT	ACATATTGCC	TTAGAAACTT	TCCTTCCTTG	AGACATGGGG
107751	CATGGAACCC	TCACCTTCAC	AGATGACCTT	GGTGTGTTTC	TAGGGTTGCT
107801	GGTGTTCAG	GACATCTGTT	GCAGATGCAG	TATTTACCTT	GTGCTCTCTG
107851	CATCATAAGC	AGCTTCTCAT	GTTTGAATGT	ATTAACAGAC	TTTTAATTTT
107901	TTTTATTTTT	GAGACAAAGT	CTCACTCTGT	CACCCAGGCT	AGTGTTACCC
107951	AGGCTGGAGT	GCAATGNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
108601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN

FIGURE 300

[illegible]

FIGURE 3PP

111301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
111351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
111401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
111451	NNNNNNNNNN	ATATTGAATC	TGTGCAAAGT	CAGCTATCAG	TCTGATTGCC
111501	CTATCCCACA	AATTGCCATCC	CAGGAGATGA	TTAGATGCAA	TAGGTGAAAG
111551	TTTTCATGTT	CCTCAGTGGC	ATTCAAGTGA	TGAACAACCA	TTGTCCACCT
111601	AATTCCTCTG	CATCTACAGC	AAGAAATAGA	ATTTTTGTGG	AGACTTAACA
111651	TGCTGTGTCT	TACTTACATA	TGTATGCAAA	AAAAAAAAAA	AAAGTCACTT
111701	TTTTTCTTTT	TTGAGACCGA	GTCTTGCTCT	GTGGCCCAGG	CTGGAGCACA
111751	ATCACGGCTC	ACTGTAACCT	CCGCTACCCA	GGTTCAAGTG	ATTCTCCTGC
111801	CTCAGCCTCC	TTGAGTAGCT	GGGACTACAG	GCACGTGCCA	CCATGCCCAG
111851	CTAATTTTTG	TACTTTTAGT	AGAAATGGGG	TTTTGCCATG	TTGGCCAGGC
111901	TGGTCTCGAA	CTCCTGACCT	CAGGTGATCC	ACCTGTCTTG	GCCTCCCAAA
111951	GTGTGGGATT	ACAGGCGTGA	ACCACCAACG	CCTGGCCCTG	AAGATACATT
112001	TTAAATCAAT	GAAAAAAAAC	AACAGGATTC	TACCTCCTAT	GGTATATCCC
112051	TCCTGGCTGT	CTCTTCTCTC	CAGTCTTGCC	TCTGCTGTGT	GGGTTTCAGG
112101	CATCCATCTT	CTCTACTCTG	AATTACTGTG	ATAACCTCTG	AAGTATTTTC
112151	CCTGCCATCT	GTCTGGCCCT	TCTCCAGGT	CTTCCACATA	CTGCAGCCAA
112201	GTCAGCCCGC	TGTTGAAACC	CTTCAAGACT	CCCTGCTGTC	CTCTGGATGA
112251	AGTCCAGACT	CTTCCACGTG	ACTTACCAGG	CCTTTCTTGC	ACTTGTCCCC
112301	AGCCACTTAC	TGTTTCTCTC	TTTCTACCTT	AACATCCTGA	ACTTCCTTTG
112351	GTTCTTTGAC	CTTGCCTCTG	ACCTTTTTCC	ATGCTGTTCA	CTCTTCCCT
112401	GTTACCTTG	CTAACTCCTC	TTTCTCTTTC	TGGGTTGGAT	CAGATTTTAC
112451	TTCTTCCAGA	AGCCCTTCCCT	AGACCCTATA	CTTCTGGAAT	GGCGCCTTTT
112501	GACTGTACGC	TCATTGCACC	CTGTACTTCT	CCTTTATGAG	TGGGTGCTGG
112551	TCTGTCCCAC	TAGGCTACTT	CATCCATAAA	GGGAGAGTAG	AGCTTTACCA
112601	AGTCAATGCT	TAAGCAATAT	TTATTGGATG	AATGTGTGAT	TAATTTTATA
112651	GAAATTTGAT	TGGCATTCAA	ATTTACTTAT	TGTATTACGG	AACTTGCATT
112701	ATATTCTCAG	TGGAGTTATT	TTCTTTTACG	TGTGTAATTC	AAGATGAGCT
112751	CAGTGAGATT	TTCAAAATTT	GGAAATGCAGT	GCAAGGAAAT	TGAACCTGAG
112801	TTCTTTTGCA	TTTTGATGGT	TAAAAATTTT	CCATTTGTGG	TGACATACCA
112851	CAATAAGCCA	GTGAATGTGG	CTTATTGTTT	TCTGGTCTAT	AGAAAATTGT
112901	CGCAAACCTC	GTCATAATGT	CTGGTTCTAT	ATAACAAAGC	TAGTCCTGTA
112951	TTCTGCATGT	GGCTGATGGA	AACAGTGCTC	TGTTGATCTG	GTTTCATGAAG
113001	AAATCTGTTC	AATTCTGCA	AACAGATGCC	TTCATCAGTG	TCCTTCCATG
113051	AAGGAGCTGA	TCTTCACAAA	GAACACATAG	TTTTGCATCC	CACCACTTGC
113101	AGTNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
113151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
113201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
113251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
113301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
113351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
113401	NNNNNNNNCCT	ACTGTGGTTT	TCTTCAGAAT	TACCCTTGCT	CTGAGCCTGC
113451	AATTGACTCA	TGAACCTTCT	TTCCATGTTC	TAACCTTACA	ATGACTTCCT
113501	TGTGTTCACT	CCAAATGTTT	TTCCCTGGTT	GCATGTAGAG	ATGTATTAGC
113551	TAAGGTACAT	GCTTAGCTGC	TGTATCAAAG	AGACCCTAAT	GTACAACCCA
113601	GGCTGGTAGA	GCAGCTCTGC	TGTATGTGTT	AATTCAGGGA	CCCAGGTTCC
113651	TTCCATGTTG	TGACTCCCCC	CTTCCTTAGG	ATGTTGTCTT	CTTTTACATG
113701	GCTGAAGTTG	GGCCATTTCA	TGTCTCTGTT	CCAGCTGCCT	GGTAGGAAAA
113751	AAGAACAGAA	ATTGAGAGTA	AGCAAATTCT	TTTTCTATAG	ATGGATGCGG
113801	AAGTTGGACA	CATCATTTCC	TCTCACATTT	TCTCGGCCAG	AACGTAGTCA
113851	TGTGACTGCA	CGTCTAGCTG	CTAAGGAGAC	TGGGAATTTA	CTGTGCGCTG
113901	TGTGGCCTCT	GTCAAGCTAA	AATTCTTATT	ACTGTGGAAT	AAGGGAAGGA

FIGURE 3QQ

113951	TGGATTTGGG	GGCACAATTA	ATAGTCTGTC	ACAGAGGCTA	AAACAGCTGC
114001	TTTTGGCTGG	GCACGGTGGC	TCACACATGT	AATTTTCAGCA	CTTTGGGAGG
114051	CCGAGGCAAG	TGGATCACTT	GAGATCAGGA	ATTTGAGACC	AGCCTGGCCA
114101	ACATGGTGAA	ACCCTGTCTC	TCCTAAAAAT	ATAGAAATTA	GCCGGGCATG
114151	GTGGCGGGTA	CCTGTAATCC	GAGCTACTCC	AGAGGTTGAG	GCAGGAGAAT
114201	TGCTTGAACC	TGGAAGGCAG	AGGTTGCAGT	GAGCCAAGAT	GGTGCCACTG
114251	CACTCCAGCC	TGGGCGACAG	AGCAAGACTC	CATCTCAAAA	AAAAAAAAAA
114301	AGGTTAAATA	AACAGCTGCT	TTTGTAGGTG	ATACAAGGTA	CAGCTAAGCT
114351	TTGAAGCCAG	GCCTGTAGTT	TCACCTTCCA	TATTCTTACT	CAAGGCATTA
114401	TACTTCTGGA	TCTGAAACCA	CTGGATCTGA	TGCCCTGCTT	GGGATGAGTT
114451	CTTTATATTA	TCTTGCTTTC	AACCCACACC	TGTGTAATTT	TATGGGCAGC
114501	GTTTGTTTTCC	TATATAGGAA	CAATTTGAAA	GTGGGCTGTT	TCTAGGCTTT
114551	CATGAATAGC	AGGCTATGCT	GTCATTGGGA	ATCTGGAGGG	AGTTAATGAA
114601	CACAACTTCA	TTGTTTACTT	TAGTGAAATG	TGGCAGCTTA	TGATAGTTTT
114651	GACAGTGAGA	CATGTGCTGT	TTTGATCTCT	CAGCTAAGAT	TATCTGATTT
114701	TTCAGGCATG	TCTCAAAACT	CACCAAGCCT	GCTCACATGC	TGCTGCTTCT
114751	GAAGCCAGGG	TTTGGAAAACC	AGCTGCCCAT	CAGAATGAGG	CTGTGACTTA
114801	GAATATTGGT	TCTTGTTTTA	TTACCATTCC	TTGTTTGGTC	TCTCCAGAGT
114851	CACTGGCCTT	TTCCGCTTCA	ATTTTCTTAT	CGGTGAAATG	AGATATTAAT
114901	TCCTCTTATT	GACTTCAATT	CAATTGCTGA	GTGTATTGTT	GCCTTTGGGA
114951	AGTTCTTTGA	GTTTTCTGTG	CCTTTGAAAT	AGTTGTTTTT	TTTTATTCTG
115001	GTGTTTTGAG	GCATGTTTCA	AGTGAGTGCA	TTTACACTTC	TACCATTTTA
115051	GGAGCCACAA	TTCAGTTATG	TTGTCCCAGC	TTGCTTGGCC	CCATCCCCAG
115101	AGTTTCTGAT	TCAGTAGGTC	TGGGGTGGGG	CCCAATAATT	TGCATTTCTT
115151	CTTCTTTTTT	CGAGACAGAG	TCTGACTGTG	TCATCCAAGC	TGGAGTGCAG
115201	TGGCACGATC	GTAGCTCATT	GTAGCCTCAA	ACTCCTGGGC	TCAAGCCGTC
115251	CTCCCACCTC	ACCCTCCTGA	GTAGCTGGGA	CTATAGGCAT	ATACTACCAT
115301	GCCCTGCCAC	CTTTTAAATT	TTTTGTAAAG	ATGGGGGTCT	CAGTGTGTTG
115351	CTCAGGCTGG	TCTTGAAATC	TGGGCTGAA	GTGATCCTCC	TGCTTCAGCC
115401	TCCCCAAATG	CCGGCATTCC	TGGCATGAGC	CACTGCACTT	GGCCAAGACT
115451	TTGCATTTCT	AACTAGTTTC	CAGGTAATGC	TGCTGCTGGT	GTAGGGACCT
115501	CATTTTGAGA	ACCATTGTTT	TATAGCTGTA	GCTATAGTTA	GTTTCTGGTT
115551	ATAGCTTCTT	CCTTTTGTTT	CCTCAGTAAT	AGTGACACA	TCCGAAATCC
115601	CTGTCTTTCG	TCTTTCAGGC	CCAGGCATGG	TATCTGGTCC	TCTTCTGTTG
115651	CTAGCCCTGG	GGTGCTTCAT	CATCCCAAGT	TTATTTTTCT	TCTCCTAACC
115701	TGAACCTTTG	TAAATAGCCC	CTTCCCTAAT	GAACGTCCTC	AATTCCTGT
115751	TTTGCCTGTC	CTGTCTGTTT	CTTGGCAAGA	CTCTGGATGA	TTCAGTACTC
115801	AATGAGGATT	TTTCGCATAG	ATGGATGAAA	CAGGCTGGGT	TTCATGTTTT
115851	CTAAGATAAA	GGTGCTTCTC	TCTTTTCTC	TTGGTCACTT	TGACCAAGAA
115901	GAAAATAACA	GAGTTTTTAT	TCTCAAGAAG	AATAATATCG	GGGCCACTCT
115951	GCTCAGAGGC	CACTCTGCTT	TGAGGACCCC	TTCTCTCCTC	CCTCATGCCA
116001	AAGATCAGGA	ACATTGGGCA	GAGCGGATAA	CGATGCCGCC	AGCGTCATTA
116051	CATTTTCACG	GCACTTTCAG	TTGTGCTGAG	CGTGCAAACA	TTTCAAGGAG
116101	ACATTTCTAA	GAGGTGGCTA	GCACAGCATG	CCTCTAATGC	CCTATGTGAA
116151	TTGGAATAGA	GTAATAAAGA	ACTGTTCAAT	ATTCACCCCA	TCCCCGCATA
116201	TGCAAGCATG	CACGTGGGTT	CATTGTATAT	GTGTGTGTGC	ACGTGTGCAC
116251	AGACACATTT	GTCCTTCGTT	TCAAATGCAA	CACAATGGAT	GGAAATTGCC
116301	TTCTCTGGTAC	TGGGGTATGG	ATGCAAACAC	CAACAGAGAA	GCAGCCGCTA
116351	CTTCCAAACT	GAACACATGT	GAGATTGGCC	CTTTAATTAG	CATCTGCAGC
116401	TGCTGCCATC	AGAAGGGTCT	GTCTCTGTTG	GCCTGAAAGT	CTTTGCTTTA
116451	AAAGAGCAAG	TCCATTATAG	CTCCAAGCCA	GGCTCGTCTG	TCAGCTCTGT
116501	TGCTTTCTCT	GCCATCAGCG	GGGTGGCCAC	ATTGTTTTGG	GCTGTTTCAC
116551	TCTAGGACTC	TTTCCTCCTC	CTGTGCCCCC	AGCCTTTGAT	TACCATGCCT

FIGURE 3RR

116601	TGGTGATCCT	CATTTGGGTG	ACCTGCAGCT	GCTCATTGTG	TGTGCAGGAG
116651	ACATCTCCAG	TCCTTGTAAG	GAGGGAAGAT	CACTGGCTTC	AGTGCTGATG
116701	GA CTGGTTAT	TTTCCAGCCC	TTTGTCTGCA	GTGATCTTGT	CTTGATATGC
116751	AGAAAGGCTC	CAGGTAGTCA	CTGAAAAAAA	TATAAGCAGC	AGAGGTGATG
116801	GCTATATGAA	AGTCACGTTT	CATCAAGGGC	ATTGCTGCTA	TGGAAACTTT
116851	CAATTCACCT	GGAGTAGGGA	GGCATATTGG	TTCCACAGCC	TCCTCAGCAG
116901	TGGGTCCCAA	CACAGTGCTG	GGCTAGCTGC	CTCTGAATCA	CCGCAGTAGC
116951	TCCTTTTACT	ATAGATTCTT	GGGTCCCACC	CATGGAATGT	GATCCATGAA
117001	GTCTGGGGTT	ATTCCCTGGA	ATCCTTTAAG	CTCCCTAAGT	GGTTGGGATG
117051	GGAAAGAGAT	ATGCTTTATG	TTACTATACT	TCTTATTATT	ATTATTTTAA
117101	AATTCTTGCC	GGGCGCAGTG	GCTCACACCT	GTAATCCCAG	CACATTGGGA
117151	GACCGAGGCG	GGTGGATCAC	TTGAGGTCAG	GAGTTCGAGA	CTGGCCTGGC
117201	CAACATGATG	AAATCCCGTC	TCTACTAAAA	ATACAAAAAT	TAGCTGGGCA
117251	TGGTGGCGCA	TGACTGTAGT	CCCAGCCACT	CCGGAGGCTG	AGGCAGGAGA
117301	ATCGCTTGAA	CCCGGGAGGC	AGAGGTTGCA	GTGAGCCGAG	ATCGTGGCAC
117351	TGCACTCCAG	CCTGGGTAAAC	AGAGTGAGAC	TTCATCTCAA	AAAAAACCCA
117401	AAAAAACAAA	ACTCTTTTTT	ATTATAACCG	AACGTCAGCT	TTATGGAGTC
117451	GGGGATTTTT	TCTGTTTTAT	TCACTGCTGT	TTCCCTAACA	TCTAGAATAG
117501	TGGCTGGCAC	GATAGGCACT	CAAGTATTGA	TTTAGATGAG	TCTATTTTAT
117551	TTTCTTTTAA	ATTTTAAATT	TTTATTAGAG	GTGGGGTCTG	GCTTTGTTGC
117601	CCAAGCTGGT	CTCAAACTC	CTGGCCTCAA	GCGATTGTAC	TGCCTCAGCC
117651	TCCCAAAGGG	CTAGGATAGG	CATGAGCCAA	CATGCCTGGC	TTGTCTTATT
117701	TTTAACAAGC	ACTTCTGGTG	ATTCTGATGG	ACAATCAGGC	TTGGGAAGTT
117751	CTAACCTAGA	GGACCTACAG	TTGTCTTGGG	GTAGAAGCCA	AGGCTATCCT
117801	GGTTTTTAGA	ATCAGTGCCT	TACTGGGCAT	CTCTGAAGAG	TAAAAGTCAG
117851	GGACAGAGTT	ACATTTTGGG	ACAAAACCAG	ATGCTGTGAA	TGGACTCTTG
117901	GTCACAACCT	GGGTGGCGAC	TTGGTCCTTA	ACTTCTTCAT	CATTTTCTGC
117951	TGACCCTGTT	CTTTGGTTCA	CAGCAAGTCA	CCTGATAAGA	AGACTCAAAG
118001	ACTGCTAGTT	TGTTACTTTA	GATGATGCTT	TTGGAACCTC	TTGGTACCAT
118051	TTTAACAATC	CAAACGTATT	TTATGAAAGC	ACTCAAGTCC	TGGGTCTTTA
118101	TTGTATCTTT	AAGCTCTAAC	AGCATGATGA	TTGAATAAGC	TGTGGTTGGC
118151	CACACACAAG	CCATCTTCCC	CATGGCCTCC	ATTCATACTA	GAATGAGCAG
118201	CTATACCCCA	GTAGTATAGT	TTTGGGATAT	GGGTAACATC	TTGGGATAGC
118251	CACATTTACT	TAGTAAATGT	CTGGCTTACA	TTCTCCTAAT	GGTGCCTGT
118301	TGGAATTTTT	GGTGTGGTAA	CCTGGAATAG	TGTTGGTGGG	TCAAGTTTGA
118351	TTAGCATCTT	TGATAAGGAC	CCGGTCTATT	TAGAGGTTTG	TCATTGAGTG
118401	TGTCTGTTTT	GGCCTCATGT	TGTGAAGCAT	GCTGTGTAGC	AGCTGTTGTA
118451	ATTTTTGTTG	CTTGTTTTCT	CAATCAACCC	TGGTTTTGAA	GAAATGGGAA
118501	GTTGTTCCAC	TCTTAGACTG	ATCTGACTTG	GGAGGGGATT	TTCAAGTTCAG
118551	GAAGTTGGAT	CTTCTGAATG	GAAGCAAAGA	ATACATGTCT	TTTTGCCACT
118601	TTACAAGCTG	GCTCTTGTTT	TCTGAACAT	TTTACTGGTC	ATTGCAAATA
118651	GAATGTCAGG	AGTAGCTGCC	AAATACTAAG	TTGTGTTTCA	TTTGTCAGTT
118701	CTTAAGAGTT	GCCGGTGGCT	GCTCTGCTAT	GCGTATGACT	TTCTCAGCCT
118751	TAAACTTACA	AGCCATACTG	TTTTTTTTCAC	ATCTTTAATA	CAGCCATAGG
118801	AAATTTATAA	CTGTGGCGTG	TCGTCATAAA	TATGCATTGT	TCTTATTTTA
118851	AGACATTTCA	GTAATAAAAG	TATAAGTACT	TCTGTTATTA	TCTGTGAATT
118901	TCTTTCCTTC	TTCTTTTTTT	GGATATTTAA	GACCTTTTCG	ATGTCAATAT
118951	ATATTTAAAA	CAGACATATA	AATTAGCATT	CACCCACATA	CCCAGGGCCT
119001	ATGGAGAACC	AGGTTGGGAT	GAGTGGGTGA	GCTACAGGCA	GCCAGGTGGC
119051	TCCTGTGGGC	TCCTCGAGGA	CTGGGGTGAG	TAACTAATGT	CTGCTAGGAA
119101	CTTGGGGGAA	AGAAGGTGTG	TATGTTAGGT	GCTGCCCCCT	TCTAAGTGTT
119151	CCTCTTGTTT	ATAATTGAGT	TTTTTTTTTT	TTTTTTTTTT	TTTTAGAAGG
119201	AGTCTCGCTC	TGTTGCCAGG	CTGGAGTGCA	GTGGTGTGAT	CTCAGCTCAC

FIGURE 3SS

119251	TGCAACCTCT	GCCTCCCGGG	TTCAAGTGAT	TCTCCTGCCT	CAGCCTCCCC
119301	AGTAGCTGGG	ACTACAGGCA	TGCACCACCA	TGCCCAGCTA	ATTTTTGTAT
119351	TTTTAGTAAA	GACGGGGTTT	CACCATGTTG	GCCAGGGTGG	TCTCGATCTC
119401	TTGACCTTGT	GATCCGCTG	CCTCGGCCTC	CCAAAGTGCT	GGGATTACAG
119451	GTGTGAGCCA	CTGTGCCAG	CCCAATAATC	AAAATTTTTT	CAGCAATTGT
119501	TATACAAGTG	GAACCTTACT	CTTCAAATGC	AATTGTCCAG	TGTCTGGCTT
119551	AATGTCTGCT	GTTGTCAGAA	ACCATGTGAA	TGGAGTAGAT	TCCCAGGTAA
119601	TAAGGAGCCC	CCAGGGAGGA	TGCGCGAGTC	ACTGGCTTCT	CCAGGGGTCT
119651	CTGGTTTGGG	GTTGCCTTGG	TGCTGGGCAC	ACTTCCTGGA	GATTTTACTG
119701	GACCAGCCTG	AGGCCTTTGG	GGCTCTGTGC	AGATGCTCTA	CTTCTGACTT
119751	GTCTAGAGCT	TTCTTCTAAT	TCTGGACTAA	AAGCAAGCAG	GAGTTTGGAG
119801	GATGATGGTG	AGAATTCACA	TCCCCGAGTT	GGCTTTTGGA	ATGCAGTAGT
119851	TTGTGAGATT	TAGTGTTTTT	TTTAAGAAGT	ATATTCAGAT	CTTGCCTTTT
119901	TCCCAGAAAG	CATATGAGAC	AACTTCCAAG	ACATTTATAG	CATGGCTAAT
119951	AAAATGGGAA	ATCAGGGCGA	AGGACAGGAG	AACTCAATAA	GGGTAAACAT
120001	GGCTACAGCG	ATTGTCTAAA	TGGGTTCTTT	TTGCTGGCCA	GAGCAGAAAG
120051	GATCATGCAG	TAAAGTGGGG	GGGAAGAAAG	GGAATTGAAT	GGTAGGTGAA
120101	GACTTCATGT	TGGTGCCAGG	CACGTGTGCCA	GGCCCTCCTA	GGACCTTGTC
120151	TTACTCAATC	CTCACACAGT	GCTGCAAGAG	GATTAGTCTT	ATCCCTGTTT
120201	TAGAGAGGAT	GAAACTGAAA	GGCAGCGAGG	TGAAGTCACC	AGCAGGAGGC
120251	TGAAGCCGCC	CAGGCTAACT	GGCCTTATAG	CTACCTAGGG	ACTCAGGAAT
120301	ATCACACCTG	TTTATCATCA	AAAGGAGAAA	GGATTTTCAGT	TCCTTGGGGT
120351	AGAAGAGTTT	CTTTTGTCTA	ATCAAACATT	TTACTTGAGG	CTTCATATTC
120401	TTCTTCAAGA	TTTTTTTCTT	GTGTATGTAC	CAACACATGT	AATAATTCCT
120451	TGTTTATTTT	AAAAAAGGGG	TTGTACTTTA	TTCTTTACAA	GATTTCACTT
120501	TATATTGTCA	TGGACAATTT	TCCATGGCAG	TATGAATAAA	TGGAATCTGT
120551	TTGTTTTTAA	TATCTTTGTC	TTATCCCATT	GTTTACATAT	GTCATATTTT
120601	AGCCAGTCTC	TAAGTATGTT	ATAGCTGAAT	GATTTCCATG	TTTTTTTCCC
120651	CTGTTACAAA	CAATACTGCA	AGGAATCTAT	TTATCTTTCT	ATTTATCTGC
120701	AAACTATTGT	AAGTACCTGT	AAATTGTTAG	AAGTGGAATT	ACTAGGTCAA
120751	AGGGGATATT	TTCACATTTA	AATTTTGAAT	AGAGGCTGTC	AGTTGCCTTC
120801	CACACTGACT	ATAAAAGGAA	AAGATTGTAT	CACATTTATT	GCAAGCCTTC
120851	TGTATTCTGC	TGGGTGCTGA	GGGGAATACA	GAAAGGATAT	AAGAGTGGTT
120901	GCCCTCTAGG	AATATCCGTC	TACACTGTAC	CTAATCCTAG	GGAATGTCTG
120951	GGGTGTCAAC	TTGTGGGTGG	GAAAGTGGGT	GGATTTAATT	CAACTGTTCA
121001	AGCTTGCCTT	GCAAACACTG	TGCATGGTGT	CTGGGACTAG	TCTTTTATTA
121051	TATTGATTCC	CCTGGGTAAC	AGATGTAATT	TCCTTAGGGC	AGGGACTTCA
121101	TCCTACATGA	CTTACAGCGT	GCCTTACACA	TCTTCTTTGC	TTTGTGGAGA
121151	CCTTGTTATT	ATAACACGTC	AGGTGATATT	CGAGGATCTA	ATTGAGGCAT
121201	TCCCTATTTT	TGGGTGTGTG	AAGAATTAAT	AACTTTGGCA	TTCTATACAG
121251	GTGATGGAAT	ATCAGCCTGG	AGGGGACTTG	CTGTCACTTT	TGAATAGATA
121301	TGAGGACCAG	TTAGATGAAA	ACCTGATACA	GTTTTACCTA	GCTGAGCTGA
121351	TTTTGGCTGT	TCACAGCGTT	CATCTGATGG	GATACGTGCA	TCGGTAAGTG
121401	AGACTCTGGT	AGCATTTTTA	TGCTGAGGAT	TTTCCTGTGT	CGCATAAGAG
121451	TTCTGTCATG	GAAATGAGTG	GATGAGTGAT	TTCAAGATCA	AGATAACGCC
121501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
121551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
121601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
121651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
121701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
121751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
121801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
121851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN

FIGURE 3TT

121901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
121951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
122951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
123701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNAAAAAA	CTGATGCTAG
123751	TGAAATGCA	TAATTTAAGA	GGTTAGAGAA	GCTGCTCTTC	AAAATGCCCC
123801	CCAAGTCTGA	GAGTTAAATC	CTTTACATAA	AGGACAATAT	GTAAAATTTT
123851	CTTTTTCTTT	TTTCTTTTTT	TTTGAGACGG	AGTCTCGCTC	TGTCCCCCAG
123901	GCTGGAGTGC	AGTGGCGCGA	TCTCGGCTCA	CTGCAAGCTC	CGCCCCCCTG
123951	GGTTCACGCC	ATTCTCCTGC	CTCAGCCTCC	CGAGTAGCTG	GGACTGCAAG
124001	CGCCCGCCAC	CATGCCCAGC	TAATTTTTTG	TATTTTTAGT	AGAGACGGGG
124051	TTTCACCGTG	TTAGCCAGGA	TGGTCTCGAT	CTCCTGACCT	CGTGATCCAC
124101	TCGCTTCGGC	CTCCCAAAGT	GCTGGGATTA	CAGGCATAAG	CCACTGCGCC
124151	CGGCTCTTTT	TTTTCTTAAA	CTGCTTCCAG	AAAAGTGGAT	ATTATTAGGT
124201	TGATGTTAAG	AAAAGGCTTG	GAGTTGCATT	AACTTTTTGC	TTTCTAGCAT
124251	CTGGCCTGTC	TGTTCTGCAG	ACCTGAGACC	TACTTGAGAT	AATTTTCTTG
124301	GTGTTCAAGC	CCTTGGA AAA	ATAAGTTCCC	TATGTTGTCC	AGTGTCAAAG
124351	TTTCTCAACC	TCAGCACTAT	TCTTTTTTTC	AGGTTATTTT	CTTGTAATCT
124401	GTTCACTTGA	TCATTACATT	AAGAATTAGA	TTATATTGCT	ATAACTACAA
124451	AGCATTTTAT	GTTTTAAAAA	TTATGTACAA	TTAGAAACA	GGCATGAAAA
124501	CTTAGGTATT	AAATTTAGTG	GAATAAAGCA	CAGAAAAAAA	GTAAAAATAA

FIGURE 3UU

124551	TGCAGTTTTA	TCACCTTAGGA	TTAAACATTT	ATATGGGCCG	GGTGTAGTGC
124601	CTCACACCTG	TAATCCCAGC	ACGTTTGGAG	GTCGAGGCCG	GAGGATTGCT
124651	GGAGTTTGAG	ACCAGCCTGG	GCAACAAAAT	GAGACCTAGT	CTCTACAAAA
124701	AATCAAAAAA	TTAGCCAGAC	ATGGTAGTAC	ATGCTTGTAG	CTCCAGCCAC
124751	ATGGGAGGCC	AAGACAGTAG	GATCGCTGGA	GCGAAGGAGG	TTGAGGCTGC
124801	AATGACCGTG	TTTGCACCAT	TGCATTCCAG	CCTGGGCGAC	AGAACAAGAC
124851	CCTGTCTTAA	AACAAATTTA	TATGCTGCAT	TCGTGAAATT	AAAAAAAAAAT
124901	CATGGATTTA	GAAATAAATT	GAAGCAAGGT	ACATTGACAG	TGTAACCTCA
124951	GCACTACTGA	CATTTTGATC	TGAATAATTC	TTTGTTGTGG	GGGATGCGCT
125001	GTATAAGATG	TTTAGCTGCA	TCCCTGACTC	CTACCTCCTA	GATGCCATTA
125051	GCACCCTCCC	CTCCAGATGT	GATAACCAAA	AATGTCTCTA	GACATTGCCA
125101	GATGTGCCTG	GGGTAGGAGG	GTTGGGGGAA	GTGGGGTTTG	AGAACCCTTA
125151	GTTGATCATG	CCTGCAGTAG	GTTGAGAAGC	ATCAGAAAGC	TAATTAATTA
125201	GACAGGAATA	TGTGTTTGCA	GTAAGAAAAC	CTCAGCAAAC	TAATCAAGTT
125251	CCAAAGTTAC	TGCTTGGTAA	ATAAATAGGA	ATTAAGAATA	AGACCCTATC
125301	TCTGTGTCTG	GGGTCATTCT	CTTCGGAGCT	CTTGGTGGAG	AGACAGGGTT
125351	CCCAGTTTCA	ATTTTTTAGT	GCTTCAGACT	GCCCTTTTCA	GTTATAATTG
125401	TAACAACCTT	CACCTCCAGT	GGGGAGCCTC	CCAGGTTTAT	TTACAACAAG
125451	GCTCAATCTC	TGATTATTTT	GGTCAAGGAG	ATATGACACT	CTATACCACA
125501	CACCTGAGAA	TATTGCCTCT	CTTTTTCTCT	TGAGCTTTTA	GGGTTGGAAC
125551	GTGACAGGCA	GATAAGGAAT	TTTTTGCAAT	AAGTGCAAAG	TCCTTTTTCT
125601	TATAGAAGAG	CAATAATCTG	CACACTAGAT	CAAGTCAAGT	GTGGATATAA
125651	AATTATAAAT	TTTGGGGGGA	TATTTTAAAT	AGTGGTTTTG	GGTTAAACAT
125701	ATTTCTTTA	AATGAAATGT	CTGTAGGCCT	AAAGTAGGTT	CTAAATGTTG
125751	CCTGTACTCA	TAGTATACCA	TATAAAATAT	AATCCACATT	TACTGGAAC
125801	ACCATATATT	ACTTACCCCA	AATCAATCAA	TCCCTTCCCT	ATCACCCCCA
125851	CGTAAGATCT	TCGTATTTTG	GATACCTGTG	AATCTTAGAT	CTGTTTCAGT
125901	TTCCATTATC	CATTGTCTTA	TTTCAAGCTT	CTCATTGAGA	ATGTTGCTTT
125951	GGAGTATTTT	CTGTTAGTAA	ACACAGGGCC	TAGTGACTCT	AGGACCTGCT
126001	GTGTGACTTA	GGTCACCCAC	TTCACTTTAT	TAGAATCTCA	AAGAATGGTG
126051	AACAGCTGAG	TTCCAATCTG	TCTCATTTGG	CTCTCATGAA	AACAGTCATA
126101	AGGAGATTGT	AGATAAACCA	CATTATATAG	CATAGTAAGT	GATAATCAAC
126151	CCCATTGTCG	AGTTGCAACC	CCACAAGAGA	TAGCCCTTTT	TAGATTTGTG
126201	TAGGAGTGAA	AAGCTTTTAT	TTCCACAAGA	GGAACGACAT	AGTAAGAACT
126251	CCTTTCCCCC	CTGCTTCTGC	AGGTATATGC	TTATGCCCTA	GGCAACTTGA
126301	TGGGTAAAGT	TAGGTTTAAA	TAGTTTTTAT	TGTAAGCTCT	TCTCTTCTCT
126351	TCTCTTCTCT	TCTCTTCTCT	TCTCTTCTCT	TCTTTTCTTT	CAAGACAGAG
126401	TCTTGCTCTG	TCACCCAGGC	TGGAGTGCAG	TGGGCGACCT	TGGCTCACTG
126451	CAACCTCCGC	CTCCTGGGTT	CAAGAGATTC	TCCTGCCTCA	GCTCCCCGAG
126501	TAGCTGGGAT	TACAGGTGCC	CGCCACCATG	CCTGGCTAAT	TTTTGTATTT
126551	TTAGTAGAGA	TGGGGTTTCA	CCATGTTGAA	GCATTTTAGG	AAAGGGGTTA
126601	GGAGGAGGAA	GACANNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
126651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNTCT	CCCCTTTCTC	CCAAAATATG
126701	GCAGACTCTT	CTGTCCCCTA	GTCATTCTCA	TATAGTCTTC	TGAACTTGTT
126751	TATTTTCTTC	CCTGTTAATA	CAGTAAAAAT	TAATAAGTT	GGCCAGGAGT
126801	GGTGGCACAT	GCCTGTAATC	CCAGCACTTT	GGGAGGCCGA	GGCGAGCAGA
126851	TCACCTGAGG	TCAGGAGTTT	GAGACCAGCC	TGGCCAACAT	GGTGAAACCC
126901	TGTCTCTACT	AAAAAAAAAAT	TGTAAGAGTT	AGCTGGGTGT	GGTGGTGCGC
126951	ACCTGTAGTC	CCAGCTATTC	GGGAGGCTGA	GGCAGGAGAA	TTGCTTGAAC
127001	CCAGGGGCTG	GAGGTTGCAG	TGAGCCAAGA	TCGCGCCACT	GCACTCTAGC
127051	CTGGGCGACA	GAGCAGTCTT	TAAAAAATAA	AAAAAATTA	CTAAGTTAAG
127101	TAGTACTTGG	GCCCTATCAG	ATAGTGTCTT	CCTGCAGGCA	GGCTGGGCCC
127151	CTACTACAGT	TTCACTTTTA	ATATCTCACC	GAGATTAGCT	GACTGAATTG

FIGURE 3VV

127201	CCACCAGAGG	AGAGTGAAAG	CATATTGCAA	AATCATAATC	AGGACATGTG
127251	AGATTATGTG	TTGAACAGGT	TTAATGTGCT	TGGGGGTCAG	TGACTAATGG
127301	GAACCTAGCA	GTCATTAAC	GTCATTAAAA	ACGTTTGTTA	ATTACTATTA
127351	CACACTTAGA	GATTTGTAA	TTAACAAAGA	GTAATGCCTT	TGCTAATCAC
127401	TATTATGCAC	TTAAGAGGAA	GCCAGTGGGT	ATTTTTCCCT	TCATAGCTTT
127451	CTAGTACAAA	TTAATAAAAT	TTAGAAAATT	AGAAAATGAT	TGTGCATAAA
127501	TGTGTATAAT	CATGTATCTG	TTAGGGGGCA	AAAATTAGTT	GGGGAATTAT
127551	CTTTCTTTGA	TAAGTCTTAT	CATTAGTTTG	AAAATGGGGC	ATTGGCAATT
127601	CATACTGTTT	GGCTGGGTTG	TCCTGAGAAA	CACTCCCCAG	TCAATTCTGT
127651	TTTTGCAACT	CTTTGGTTGT	GAACAAGTGA	CTGCCCTGTG	AGCTGCAAT
127701	AAGGAGAACT	GAATATTCCT	GAACAGTCTG	TGGCAATAAA	AATGAAATCC
127751	AGTAAGTGCA	AATGGTATGT	ATTCAACAAT	TGCGTAGTTA	GGTCCTGCAA
127801	GGTAATTAGA	CATAAAGGAT	AAGTATTTAA	TCAACAATAT	AGTAGCATTT
127851	TCATTACCTA	GTCAAATCAA	GATGTTACAG	TTTTCTTTCT	CTTGTTTTGT
127901	TATTTAAAAA	ATATCTATTG	TGGCCAGGCT	CCGTGGCTCA	CACTTGTAAT
127951	CCCAGCACTT	TGGGAGGCCA	AGATGGGTGG	ATCACGAGGT	CAAGAGATCG
128001	AGACCATCCT	GGCCAAACAT	AGTGAAACCC	CGTCTCTACT	AAAAATACAA
128051	AAATTATCTG	GGTGTGGTGG	CATGCACCTG	TAGTCGCAGT	TACTCGAGAG
128101	GCTGAGGCAA	GAGAATTGCT	TGAACCTGGG	AGGAGGAGGT	TGCAGTGAGC
128151	TGAGATCGCA	GCACTGCACT	CCAGCCTGGT	GACAGAGCGA	GACTCCATCT
128201	CGGAAAAAAA	AAAAAATCTA	TTGGTTATTG	TTGGTGCATT	TTAACCAGAA
128251	CCCTTTAGTT	TAACCCCTAAC	CTGTGCTGAG	CTCTTTAACA	TTTACATACA
128301	TATTAATAAA	CAGAATCAGC	CCAGATTTCC	CAACATATTA	AGTCTTCTCC
128351	TTGACTTAAG	CTACTTTCAG	TTCTTCAAGC	TTAAGTCACC	CTGTGGTTTT
128401	GTCTTAGGCC	AAATATTTTC	CCCTTTGTCT	CCCCTTCTGT	CTATCAAGCC
128451	AAGCCTGCCT	GTGGGTTTTG	GATAGTGTGA	CCATCTGGCT	TTCTTGAAGG
128501	GGCACTTACA	GGGGAAGTTT	TATTGCCCAA	ACCGGTGGAC	AATCCATGTC
128551	AGGAATGATT	ATATCACACT	GCTTCTGGG	TTTAGGGCTT	GGAAAAACCT
128601	GTATCAGAGC	GTGGGCCCTA	GGGAAGAGGT	AAAAAGAGAG	GAGAGGGAAG
128651	AATAGGTCTG	TTTCATATAA	CGAGAAAGTC	TCATGGCAGA	GGAATGGATG
128701	AGATTCAAGT	TACAGGCTGG	AAGAGCTTCA	TCCAGAATCA	GCCCCGGGGA
128751	GAGGAGACCT	CATCACGTCC	TCACTAAACA	TTCACTTTCC	TCTCCACACC
128801	CAGTTAAAGT	AAAGCAAATT	TACTTCCTTG	GTGAAAAGCC	CAGCCTTCAA
128851	GGTATGTGGA	CTTACCCACA	AAATCTCTTG	GCTCACTCAG	TTTCACTTAC
128901	CATCGTTTAA	TGAGGAAAAA	GTTCTTTTGT	ACCATGTAAC	TGCTGACCTG
128951	AGAGAAGCCC	ATTATGATAT	AGAGTTATAG	GACAGCTGGC	CAACACACTA
129001	TATAGCTAAA	ATCAGGGCCT	CTCTGTTTTG	ATGGGGAGAA	AAGTTAGAGA
129051	AGGAATCTTT	AGACTTCAAA	TTTCATGGCT	CAGTAAAACG	TCAAAATAAT
129101	TTTGAAGACC	AAAGGGGTTG	CCAGCTTACT	AGGCTGCCTA	GACAGGGGTG
129151	GGTATGAGGG	GAAGAAAGCC	TGCTTCTTTC	ATCAACAGCA	TATCCAGAAA
129201	CAAAGGACAT	TTAAACACTA	AAAAAGTCAG	AAGGACAAAT	TCTCAGAAAA
129251	AAAGGACAGT	CCTTTAAATG	GGTTACATTT	AGCTTTATAA	AATGCCCTCC
129301	TGTATTGTCC	TAATCTTTCT	TTGCCAAGGT	CAAGTGCTTG	GGTGCCATTG
129351	GATTATAAGC	CCCTGGGTTT	CTGAACGGTG	GGGGAGGGAA	CCACAGGAAC
129401	AAGGGTTAGG	GGTGAGGAAA	AAGAAGTCAT	TAACCTTGGG	CCCTGGGTGG
129451	AAGTTAATTA	TCATGTCTTG	CCCTGTGGGT	GGGTTGAAGT	AGGAACGTTA
129501	ATTCCAAAGG	CAGTTTTCCA	AATTTTTGAA	CTTGAGATTT	GTAATATTAT
129551	CTTGCCAGTT	AGCCACCAGT	TCTCTTCTCT	TTTTTCTTTT	CTTTTCTTAC
129601	AGTCTCGCTG	TCACCCAGGC	TGCAGTGTA	TGGCGCAATC	TTGGCTCACT
129651	GCAACCTCCG	CCTCCCAGGT	TCAAGCGATT	CTTGTGCCTC	AGCCTCCCGA
129701	GTAGCTGGGA	CCACAGGTGT	GCACCACCAC	ACCTGACTAA	TTTTTGTATT
129751	TTTAATAGAG	ATGGGGCTTC	ACCATGTTGG	CCATGCTGGT	CTCAAACCTC
129801	TGGCCTCAAA	TGATCCACCC	ACCTTGGCCT	CCCAAAGTGT	TGGGATTACA

FIGURE 3WW

129851	GGCATGGGCC	ACTGCACCTG	GCCAACTGCC	AGTTTTCTAG	TAATGGTTAG
129901	GTTGATATTT	TAGATTCATT	TTTAGAGTTT	ATTATCATT	TGCTGTTATC
129951	ATAAGAGAAG	TTCCATCATG	TCAATAACTT	GTATTAGGAA	AGACATCTTC
130001	CATTCCCGGT	ATATCCAAC	CTCATTCGTA	TAACTGAAGG	CTGTGTGTAT
130051	ATCATCAACA	ATTCTTGCCC	TTTTGCCCTT	GGATTGCATT	ATATGCTGTG
130101	TGCTTTTTTT	TTTTTTTAAA	TTAGTAAAGC	GTTTGCATTT	CCTGACAGTG
130151	TGCCACTTGA	CAGCTGGTTT	AAGTGCCTGG	GAGAATAGTA	ATCAGTGGCA
130201	AATCAGCTTG	TGTCTGAAAT	GTGGCTGTTG	GCAGTCTACT	TGAGGATAAT
130251	TGAAAGTTTG	CTGTATTCGT	TTTATTGATG	GGATTCTAGG	TGAATGCCAA
130301	ACTCCCGATT	GGGACCCCG	ATTACATGGC	TCCTGAAGTG	CTGACTGTGA
130351	TGAACGGGGA	TGGAAAAGGC	ACCTACGGCC	TGGACTGTGA	CTGGTGGTCA
130401	GTGGGCGTGA	TTGCCTATGA	GATGATTTAT	GGGAGATCCC	CCTTCGCAGA
130451	GGGAACCTCT	GCCAGAACCT	TCAATAACAT	TATGAATTTT	CAGGTAAAGA
130501	GTCCTTAGAA	GATTTTGAAG	TCACATTGAG	AAACGTTATT	TAAAAATTGT
130551	GCGAATGAGG	CTGGGCCGTG	GGTGGCTCAT	GCCTGTAATC	CCGGCACTTT
130601	GGGAGGCCGA	GGTGGGTGGA	TCACGAGGTC	AGGAGATCGA	GACCATCCTG
130651	GCTAACATGG	TGAAACCCCA	TCTCTACTAA	AAAATACAAA	AAAATTAGCC
130701	AGTTGTGGTG	GTGGGCGCCT	GTAGTCCCAG	CTANNNNNNN	NNNNNNNNNN
130751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
130801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
130851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
130901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
130951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
131951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN

FIGURE 3XX

132501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
132951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
133951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
134001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
134051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
134101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
134151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
134201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
134251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
134301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
134351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
134401	NNNNNNNNNN	NNATTGCTTT	ATTTTCTAA	ATAAATAGAC	ATCTCCCCC
134451	AAATCTCCAA	GGTTCAGACC	TTCTAATCAG	TAATATATTT	TCAGGGCATT
134501	CTTCCTTTTA	TGCTTTTAGA	AAGATGTAAT	AGACTTCTT	TTAGATGCTG
134551	TTCAAGTACT	TAATCTTTTC	TTGTCTTGCC	TTTTTATCTC	TGTAATCTTC
134601	TTGAATAAGC	AGTTAATTTT	TITTATTTCAT	GAACCTGCTG	ATCATGTCTA
134651	AGAATGTATC	TCCACTTAAG	TAAGTCAGTG	AATGGTGATT	ACCTGAGTAG
134701	AGTTAAAGTA	GTCCCCCACC	CTCCTATCTG	TGGCACATAT	GTTCCAAGTC
134751	TCCCAGTGGA	TGTGTGAAAC	TGATGATAGT	ACTGAAACCC	ATCTACCTTT
134801	TTTCCTGTGC	ATACATACCT	ATGTTATATA	AAGCTTAACT	TATAAATTAG
134851	GCATAATATA	TTTGACTCCC	AGCTCCCAGT	GTAGTGGCTC	TGCAGACTCA
134901	CAAAATGTAT	TTGCTTTAAA	AAATTCCTTT	TTTTTTTTTT	GAGACGGAGT
134951	TTTGCTCTTG	TTGCCCAGGC	TGGAGTGCAG	TGGTGCGACC	TCAGCTCACT
135001	GCAACCTCCG	CCTCTTGGGT	TCAAGCGATT	CTCCTGCCTC	AGCCTCCCAA
135051	GTAGCTGGGA	TTATAGGCAT	GCACCACCAC	ACCCAGCTAA	TTTTCTATTT
135101	TTCGTAGAAA	CGGTTTTTCC	ATGTTGGTCA	GGCTGATCTT	GAACCTCTGA

FIGURE 3YY

135151	CCTCAGGTGA	TCTGCCTGCC	TCGGCCTTCC	AAAGTGCTGG	GATTACAGGT
135201	GTGAGCCACC	ACGCCTGGCC	AAAAAATTCT	TTTAATTTAA	GTAAATCTTT
135251	ATTTATTTAC	TTTTGAGACA	GAGTCTCACT	CTGTGGGCCA	GGCAGGAATG
135301	CAGTGGTGTG	ATCACGGCTC	ACTGCAGCCT	CGACCTCCCA	TGCTCAAGCA
135351	GTCCCTCCAC	CTCAGCCTCC	TAAGTAGCTA	GGACTACAGG	TGTGTGCCAT
135401	CACACTCTGC	TAATTTTTTT	GTATTTGTAG	AGACGCGGTT	TCACCAGGTT
135451	GCCCAGGCTG	GTCTTGAAC	CCTGAGCTCA	AGTGATCCTC	CTGCTTTGGC
135501	CTCCCAAAT	ACTGGGATTA	CAGGCGTGAG	CCATTGCACC	CAGCCCTAAT
135551	TTTAATAAAT	CTTTTATTTT	GGAATAGTAT	TAGATTTATA	GAAAAGTTGC
135601	AAAGATAGTA	TGGAAGAGTT	CCCACATACC	CTTCACCCAG	TTTTCCCCAA
135651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
135701	TATTTATTTA	TTTATTTTTT	GAGACACAGT	CTTCCCGTCG	CCCAGGCTGG
135751	AGTGTGGTGG	CACGATCTCG	GCTCACTGCA	ACCTCCGCCT	CCTGGGTTCA
135801	AGTGATTCTT	CTGCCTCAGC	CTCCGAGTAG	CTGGGACCAC	AGGTGTGCGC
135851	CACCATGCCC	GGCTACTTTT	TGTATTTTCA	GTAGAGACAG	GGTTTCACCA
135901	TGTTGGTCAG	GCTGATCTCA	AGCTCCTGAC	CTCAGGTGAT	CTGCCTACCT
135951	TAGCTCCCA	AAGTGCTGGG	ATTACAGACA	TGAGCCACCG	CACCCAGCCC
136001	CCAGTGTTAA	CTCTTACATA	ACAGTGTAC	TGTCTAAGTG	TTTGAAAAAC
136051	TATTTGTCAA	AACATAATAT	GGTACATTAT	TGTTAACTAC	ACTTCAGACT
136101	TTTTTTGGAT	TTTACCAATT	CTCCCACTCA	TGTCCTTTT	CTGTTTCAGG
136151	AATCAATCCG	TGGTACCATA	TTGCAGTTAG	GGTGTTTATA	TTTGATGGGA
136201	CTGGTCCTAG	TTTAGATACT	TAGTGTAGCT	CAGCCAGCAG	GTGGGATCTT
136251	CATGCCCCACC	GAGGATTGGT	ATTGTGTTTT	CCTGGTGGTT	TTATGGCATT
136301	TCCGACTATG	CAGAGAGGCA	TGGTATTAAC	TTCAGTGTCT	CCTAGCAAAT
136351	TTTCCTGTTT	TTCACCAACC	TCTGATCCCT	GCATTATTTG	CAATCAACTC
136401	AGAGATTTGT	GATTGAAAAC	ATTGCTTGAC	TCCATGCTCT	TTAAGCTATT
136451	TTCTAACTAG	GTAAGTGTAA	CATAAATTAT	GCTTTTATCT	AGCACTGTTT
136501	TTCATAAACA	CATGTTGAGT	GATTTTCATC	AACCGAAATA	CTTCGAATCA
136551	TTAAGTTTCC	CAAGTTCATG	GATGCTGCTT	AAATGCCTGG	TGGTCCAGG
136601	CTGTGCAATA	TTTCTGCCTT	CTGCAATAAG	AGATTGTCCC	TTGTTAAAG
136651	CAACATTAGC	CTTTGTGCGG	TTTCACCCCC	AATTCTTCTT	TTTCTTGTTG
136701	TAACCAATGA	AAGGAAGTAC	TGCTTAACAC	AGCAGGTAAT	AATCTTCTAA
136751	AACTCATTAT	CTCAAGAGGT	GGTCCTGGCA	GGATATATAA	ATGCAATTTA
136801	AGAAAGGTCT	TGGCAAATTT	ATGAATGACA	GAACTGGGAG	TGGCTACCGA
136851	GAGAAACTAG	GATGCGCCTT	TGCTTTGACA	CTGAGGTCAG	GCGTAGCTTC
136901	TGTACCCTCC	TGGGTCCTGC	CTCTTGGGGT	TGCTGCAGGC	AGCACCCCAT
136951	GAACCAGGCA	TCTGACCCAG	TTCCAGGATA	CTTATTCTTC	CAGCAAGTCG
137001	AACACTCTGT	GATGAGTGAC	TGCCATGCTC	ATGGGTCAAC	AGGCTCTCAT
137051	TATTCTGTTT	CATTTCCAGC	CTCCACAAG	ATTGGTTTTT	CAGCTGCTTA
137101	TTTATTATTA	TCATTATTTT	AAGGCTGCTT	TCCAAGTTTC	AGTGGGGGGT
137151	TTCTAAGCG	TACCAGCTGC	CCTGGTTGTG	CAGTTCCGGT	GATGTTTCAG
137201	ATGCTGGGCC	GGATTCTGGC	TGTACCCAGC	CTGATCTTTC	TGGGCTTCAG
137251	GAAAGCTGAA	GCCAATCAGA	GCTCCTCTTT	CATGCCTTTG	GGATTATGCT
137301	TACCTTGCCT	GGCATCGTGT	ACCTGCTCCC	ATCCATGGGA	AAGTTTTGCT
137351	GTCTGGTACT	GTCTTCTATC	AACATCTTTT	AAGATATCTT	CCCCGAGGC
137401	ATCGTGATGT	CAACGGAACC	AGCACACTTG	TACGTTTTAT	GCAAGACTGC
137451	CATATCTCAA	CAGTGAGAAA	TGCATAATGG	AAGTGGTGAT	CACGGATTAT
137501	TTCTAGGAC	ATTATGGCTA	ATGCGCTAGA	GAACTCGGAT	GGTCTGTTGC
137551	GTCTGACATG	GGCTTTTCT	CTTGAGTTGT	CTTCTTTTGG	CTATTCTCTG
137601	AAAGAAACAA	TTCTTGCCAC	ATGATCCTGA	TTTTTCAGGT	CCTCAGCATT
137651	TGTTAGCAGA	AAGTACACTT	TGTTTCCATC	CGGCAGTGAC	TCAGTGGTGG
137701	TCCCATGCTG	ATGAAACGCT	GAGATAGTCT	TCTTCCAAAT	AGGTATCGTT
137751	TTGATTGTTG	CTGCTTATTT	GCTAGCTGGC	CCTCAATAGT	GACAATGAAA

FIGURE 3ZZ

137801	CCTCAAGTGT	ATAATATGGT	TGCTCAGTAA	TCCTGAGGGA	AGACAGTCTT
137851	TGGTTTGGGG	GATAGGGGATT	CTGTGCCTAC	TTAGCTTCAG	GTGAAAGTCT
137901	TACAAATTTT	TGTGTGTAGA	AATAAGCACC	ATGTACCTCC	TTGGGTTTTT
137951	TCTTTTTTTT	TCTAGTCCTT	TAGTATGGTC	AACAATATTG	TTTAGGGAGT
138001	ACCTATTCTG	TGCTAACCAC	TAGGCATTCA	AGTATATTAC	ACTATGCTCC
138051	TTCAAAACAC	TTCTGTCAAA	TGTAAGGATT	ATTATACCCA	TTTTACAGAT
138101	GTGGTTACTG	TGGTAACTTG	GCCAAGGTCA	TAGGGCAAGT	GAATAAGGGA
138151	TTCTGGATTT	GGGTGGAGGT	CTGTGTGATT	CCAAAGCCCA	TGCTCTTTCT
138201	ACAATACTAT	ATATGCCTTT	GCATAAGTTA	TTGTTATTAG	TAATAATATT
138251	TGTGATGATG	GCAAATAATA	AACCATGTCA	CACTAGAGAG	TGATTTAATC
138301	TCTAGGTCTA	TTTAAGAACA	TTTGGAATTG	CAGGAATTGG	ATTTTTTTTT
138351	TTTTTTAAGT	GATGGAGTCT	TGCCATCTTT	GCCCAGGCTG	GTCTCAAAC
138401	TGTGGGCTCA	AGTGATCATC	CTCCCTCTGC	CTCCCAAAGT	GATGGGATTA
138451	CAGATATGAG	CCACCATGCC	CAGCCTAGAA	TTGCAGGAAT	TTTTGAATTG
138501	ATGATTCATT	CTGATATTTG	AATTTCTACA	GTATGTTAAG	TGCAATGTCA
138551	GGTGCTGGTG	CTGTGGCTCC	ATTGATGAAC	ACATTTGGGT	ATGGCCCTAC
138601	CTTCATTGAA	TTTAGAGTCT	AAGAGCCTAA	CCGGTCTTTT	GCTTGAATAG
138651	AGCTGTAGTC	CTGTAAATTT	GCTGTACCTC	CAAAATGGTG	GAAGTTTAAT
138701	GCTTCGTAGG	CCTCCCCTCA	CTAGTTTACT	GAACCACATG	TGCTTGATTT
138751	TTTTTTGANN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
138801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	CTCACTGCAA	GCTCCGCCTC
138851	CCAGGTTTAC	GCCATTCTTC	TGCCTCAGCC	TCCCGAGTAG	CTGGGACTAC
138901	AGGTGCCCCG	CAACACGGCC	CGGCTAATTT	TTTTGTATTT	TTAGTAGAGA
138951	CAGGGTTTTA	CCATGTTAGC	CAGGATGGTC	TCGGTCTGCT	GACCTCGTGA
139001	TCCACCTGCC	TCAGCCTCCC	AAAGTGCTGG	GATTACAGGC	ATGAGCCACT
139051	GTGCCTGGCC	CCACATGTGC	TTGATTTTAA	GCAAAATACA	GACTATAGGC
139101	TGTGACCTGG	TGATCTCTTC	CCCACATACA	GCATCCTGCT	AACCTATAAC
139151	TCTCCCCATG	TCTCAGATCT	AGCCTGGGAA	AGGACAATGT	TGGATCGATG
139201	GCCCACTTCT	AATCTTGGA	TTTCTAATCT	CAAGATGAGT	TGAGAAGACT
139251	CAGGATGTGT	CCTGTTTTCT	GTTTATTTAG	AACAGGGTTT	CTCAGCCTTG
139301	GCACTGTTGA	CATTTGGGGC	CAGATAATTC	TTTGCTGTGG	GGGCTGTTGT
139351	GTGAATTGCA	GGATGTTGAA	CAGCATCGCT	GTGCTTTCTC	CATGGATACC
139401	AGTAGCACCC	TCCCCCTGCA	GTTGCAACAA	CCAAAAATGA	CTCTAGACAT
139451	TGCCCAGTCT	CCCCTTGGGG	GCTACAGTCA	CCTTCAGTTG	AGAACCATTG
139501	ATTTAGAAGA	ATTGGCCAGG	TTATTATCAG	GAGAGGGAAC	ATCACAGTAA
139551	TCTGAATCTC	TCAATACTGC	CACTGTTACT	GTTAACGAAC	AGCAAAACTA
139601	TTACGTGGAG	GCAGTAGGAC	CTTGCTACTC	AGAGTGTGGT	CCGTGGACCG
139651	GCAGCATCGG	AATCATCTAG	GAGCTTGTTA	GAGCTTCAGA	GACTCAGGCC
139701	TACTGAGTCA	GAAGCTGCAT	TTTAATAAGG	ATCCCCAGGG	GATTTCTGTG
139751	CATATTAGAG	TTGTGAAGCC	CTGCAAGAGG	AAGAAATTGG	ATGCTAGCCT
139801	CAGAGTTTCT	TGCTCATCTT	TGTGGGTCTT	CCTACGTTTT	GTCTTCGGGC
139851	TTAAGGTATG	GGGAGGCCAC	TTTTTGGCTC	AGGACTCCTA	TGGGTGAATG
139901	GGACTGCTTA	GAAGTGTGG	GTTTTAGGCC	TTGCTTTGAG	GAATTTAAAG
139951	CTTTTCTCTT	AGATGGACAT	TACATCGTTC	ATATACTTCA	AAATGGTGGT
140001	TTGACCTAAT	CTCTGCCTTC	TGATAGCAAA	AAGATATTTT	CTTGACTCCC
140051	TGAACCCAC	TTTACTGTTG	TCCCATTATTG	GATTTTAATT	AAGGGTGGAA
140101	TAAGTATTCT	TCACTAACAT	GTTTATACAT	GTATGATATT	ACCATGCCAT
140151	TTATTGAGTG	CCTAGTATGT	GCCAGGAGCT	CTGCAAAGTG	CTTTATGCTT
140201	ATTATTGTTC	CATTTATTCT	TCCCCAAACC	TCTGTGAGGC	AGGTCCTATC
140251	ACTAGTCCAC	AATACAAATG	AGGTCATGGA	GCCCGAAGTT	GGCAGTGGTA
140301	GGAATCAAAC	TCAGGTCTCC	CTGACTCTAA	ATTCTCTTTG	CCTTTGTTTT
140351	TTTGAAAAAG	TGGTATAGCC	CATAGCAGAA	AATTCACATT	ATACAGAAGG
140401	TTATACGGCG	AAAAATGCCT	CCTTCCCACC	CCACGCTCAA	CCCCTCTCCC

FIGURE 3AAA

140451	TCAAGCGGAA	CCACTATTGT	CAGTTTCTCA	TAGAACTTTC	CAGAATATTC
140501	TATGCTCCTA	TAACACTAGC	ACAACCTATC	CTCTTAACAA	CATCTTTATG
140551	CTGCCTCCCA	AGAATTCAGT	AATTTTTTTT	TTTTTGAGAT	GGAGTTTTGC
140601	TCTAGTTGCC	CAGGCTGGAG	TGCAATGGCG	TGATCTCGGC	TCATTGCAAC
140651	CTCTGCCTCC	CACGTTCAAG	TGATTCTCTT	GCCTCAGCCT	CCCGAGTAGC
140701	TGGGATTACA	GGCATGCGCC	ACTATGCTTG	GCTAATTTTG	TATTTTTAGT
140751	AGAGATGGGG	TTTCTCCCAT	GTTGGTCAGG	CTGGTCTTGA	ACTCCAACCC
140801	TCAGGTAATC	CGCCACCTC	GGCCTCCCAA	AGTGTTGAGA	TTACAGGCGT
140851	GAGCCACCGC	ACCTGGCCAA	ATTGAGTAAT	TTTTATTGGC	AGGTTATTTT
140901	CCCGCATCAT	TNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
140951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
141951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
142951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
143001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
143051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN

FIGURE 3BBB

[illegible]

FIGURE 3CCC

145751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
145801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
145851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
145901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
145951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
146001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
146051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
146101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
146151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
146201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
146251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
146301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
146351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNAATT
146401	CAAAACCTGT	CTCCTGTAA	TCCCATCCTC	TCTGTTTCTG	TTATCATTTTC
146451	CTTAGTGTAG	ATCTGCCTAA	GTGTAGAATT	TGTAGAATTT	GTCATGTTGA
146501	CTATTGTAGA	CTTGTCTTTT	AGAGTTTCTA	GCACTAGCCT	CTTCCACCCA
146551	TCACTATTGA	GATGATTGTA	TCCGTCTCAG	TACTGACACT	AACCCAGCAC
146601	TCTGGTTTTA	CATCTGTCAA	TCCATCAAGA	CTTCACTTTC	ACTTTCTTCC
146651	CTGCCTCATT	ATTCACTATG	CTCTTGGGCC	ATTGCTCTGG	CTTCTGGGGC
146701	TTTTCTAAAG	TAGCACTTTT	CCCCACTCCA	GCCCATGAAG	ATACCTTTTA
146751	ACCAGCTCTT	GAGATTAAAT	CCCCTCCGTG	ACACTTTCCT	GCAGGAACTT
146801	GCAAAAAAGT	ACTGCATTCC	CCACTGGCAA	AACTTGCCAT	CAGCCAGTTT
146851	ATGTATTCTC	TGCTTTTCAC	ACCCATATCT	TGACCTCTGA	ACAACACACA
146901	TATTCTCCTC	TTCATTTATT	TCACAGTTCT	GTCTTCATAA	CATTGATAAG
146951	TATGATCACA	TTAGCGCTCT	AGATTTTAAG	CAACTGGAAG	ATAGCTATTT
147001	TTTTGGTACT	CTTCCTTTAA	ATTTGAACAT	AGTGTCTAAT	TAGTCAATTA
147051	ACATTTTTTT	AAAAGGGCGA	GGGACATCAT	GGTAGAGAGA	ACGAAGTTGA
147101	ACGTGTTTTT	GGTTGAATAT	TAGCGCATGC	CCACTGTATT	CTAGGCACAG
147151	TCCTGATTCA	TTATATCATC	ACACAATAAT	TATTTATGTG	CCTTCATCCT
147201	TTATGACACA	GTGCTGGCTC	TTATTCATCT	CCCATTTCTG	CAATCCATGG
147251	TGATGATTAA	AAGTCTTAGG	AGTTTTACGA	GGCTCAGTAT	TTTTTTTTTT
147301	TAATATGCTA	GTTCTTCATG	AATACATTGG	GTACTCTGAA	GCATATCATT
147351	TCCTGGGTTT	CCTGAAGTGG	TATGTTGCGT	GGAATGGCAC	ATTAGGTCTA
147401	AATAATTATC	CCCTATGTAA	GGGGTCTTGT	TTTTCATTCA	TTCTCTTAAA
147451	AAATAGATAT	TAAACATTAA	ATAAGGACAG	CCAGGNNNNN	NNNNNNNNNN
147501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
147551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
147601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
147651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
147701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
147751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
147801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
147851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
147901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
147951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN

FIGURE 3DDD

148401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
148951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
149901	NNNNNNNNNN	NNNNNNNNNT	TCCTTTTTTT	TTTTTTTTTT	TTTTTTGAGA
149951	CGGTGTTTCG	CTCTGTTC	CCAGGCTGGA	GTGCAGTGGC	ACGATCTTGG
150001	CTCACTGCAA	CCTCCACCTC	CCAGGTTCAA	GCGATTCTCT	TGCCTCAGCC
150051	TCCCAAGTAG	CTGGGACTAC	AGGCATGCAC	CATCACATCT	GGCTAATTTT
150101	TTTGTATTTT	TAATAGAGAT	GGGGTTTTAC	CATGTTGGCC	AGGCTGGCCT
150151	TGAACTCCTG	ACCTCAGGTG	ATCCACCTGC	CTCGCCCTCC	CAAGGTGCTG
150201	GGATTACAGG	CATGAGCCAC	TGTGCCTGGC	CTACTTCTTC	TTCTTTTAA
150251	CTTGAAGATT	ATCTGCCCCT	TTTTCTAATC	TTAACC GCAT	TAAGCTGGCT
150301	TTGAGCATGG	CAAGAGTTTT	ATAGATGAAT	CTTATTTTAT	AGTACAGGAT
150351	TTCAAAATCA	TAATTATTTT	ACTGAGGGTG	GCTTTTACCC	TCCATTAATT
150401	ATACTTCTCA	CTCAGAAATG	GAATTCTATT	TTGGTCTCCT	AAAGATAAAT
150451	TAGTATATAG	TGGAAAGGAA	TTATAAAGTT	CTGCTAGGAA	TTAAATGATA
150501	TGATTAACAC	AAACATCCAC	ATGGATGTGT	CTCTGCCCTG	TGCAGGAAAG
150551	ATGAACATTC	AGTACAGATT	CTGCTCTATG	TCACTAGCTT	TCAAGACCTG
150601	CAGGTTCTCT	CCTAAGCATG	CAATTCCTGT	GAGCAGTAGC	AATAATAGCA
150651	GGTCATATTT	GTGGAGTGAT	TACTGTATGC	TAAGAACTGT	GGTAAACACT
150701	TTTATATGGA	TTATTTTATT	TAAACCTCCT	AATAGTCCAT	TGAAATAGAT
150751	ATTGCCATGT	TGAAAACCTGA	GGTTCAGAGA	GGTTAAGTGA	CTTACCCAGT
150801	GTCACAGAAC	TAGTAAGTGG	TGCAGCTGGG	ATTTGAACTG	AGATTCCAGA
150851	ACAATTGCCA	TTAACCACCT	TGCTTCATA	TTAGTATCAT	CTGCAAATCT
150901	CTCTCCATAA	ATTTCCCTCAG	TCTTTATCTG	AGTTTCCTTA	TTTCAGGAAG
150951	GAAAACCTTCT	GTTTTTGATC	CTTATGAAAT	ACAATTTCCA	TTAAAACCTT
151001	TTTTTTTTTG	TATTAAAAAA	GGTACCGGAT	AATTGAAACC	AGACTGGATT

FIGURE 3EEE

151051	TGAGCCTGTG	TTGATGGAAG	TACACATGGG	ATGTGGGCTG	AAGTGTTCAA
151101	TCTAATTTTT	CTTTCCATCA	GCTAATTTTT	AAAGTATTAA	GCAAGTAGAT
151151	TCTGACACTA	ACAGGGAAGA	TTTAAATTCT	CTTGAGAGAC	TGGAGGTGTT
151201	AAATAATTTT	CTGGTAGTGC	ACATTTTACA	TCTTAAATCT	TCCTCACTCT
151251	CCCACCTCAT	CTCAATGTAC	CTGAAGCTCT	GGGAATGTTT	TTTTGTACTT
151301	CTCAGGAACA	GCCAGACCTC	TGGCTTCATC	TCCTCTCCCC	TCCACATCCC
151351	TTTCCTGCTC	CAATTACTTC	CCAGCGCCAC	TTGGATGTTG	TTGTCATCGG
151401	GGAACCTTGG	AAACAGCCAG	ATTTTTTTGG	AGTCTGTAAG	CAGAAAACAG
151451	ACTGCTTGCT	GCTCATATCT	GGCACCCAGC	TTTGTCCAGA	AAACGAGGAG
151501	TTAAAAAGAA	GTCTGGGCTG	TGAAGGGCTG	TGACAACTGT	CCTAGGGGGA
151551	GCTCTAGCGA	GCCCTGGCGG	GCAGTGACTC	ATGCTGCTCT	GTCAGTGGGA
151601	TCAGCACTGG	CCCCTGGCAG	GCAGGCGGCA	GCCAGGTGGG	GTTCCAGCCA
151651	GAGCACGCAC	GCACGGAGCC	GGGAGCATGC	AGCCTGCACT	GCGGGGGATG
151701	TGATGCTCGG	CTCTAACTCG	CCTGGCTGGC	CCGCCACGGA	CGCCTCAGCT
151751	TGCAACCATG	GTAACGTTTC	TGGCGGGGGA	CACCCCCGGG	AGCCCACCGC
151801	GATGGGCAGC	CTCCTGGTGA	CTGATGGACG	AGTGTCCACC	TCCCAGACCG
151851	AGAGCGCTTA	GTAGGTCGGA	GGAAGTGGAG	AGGATGTAAC	ACGCCCCCAG
151901	CCGGGAGTGA	AGCCCTGAGG	AGGTAGGAGC	CGCATATGTC	CATCCGTGCA
151951	TTCCCAACCGT	CAGCGCGCAG	GGGTGCTGTA	GATCACCGGT	AGGAACTTTA
152001	TTTGCTGGT	GCTTCATTAT	GCTGATTAAA	CTGCAGTGGA	TTTGATGGGC
152051	ATGATTGCGC	TGGGGAAGAT	GCATAATGAA	CTAAAAAATA	AAAAAAGTGG
152101	TTAATAAGAT	CTCGGAGTCG	ACTTGTCCGG	GTATGAATGA	AGTAGACTGC
152151	AGTGGTATCC	TAACAGGAGT	TCCAGAACCT	CACACATCCC	TTTTCTGCTT
152201	CCTTCCTCTT	ATCCCGGTTA	ATCCACGAAA	TGTAGAAGTT	CCATCTTATT
152251	TCAACGATTA	GTGCTAATCA	TTAATAATTT	AGACCTGTCT	GGAGGAGGGA
152301	ATCCATAGGT	TTAGGTCTCC	TAGCATCCTG	GCACTAGCCA	GCAGCTGCTC
152351	TGTAGGAGCC	TTCTGGAAAC	AGCAGGAAGG	AGCGGCTTCC	CCACGAGTTC
152401	CCCAAGTGCT	TTCTGTTGGC	CAAGTGCTTT	CGTTGGCCCA	AGTGACCTGT
152451	TTGAGTTTGC	CTTTCAGTTT	ACCCAGGCGG	GGAAGGCAGC	CTGTCTGCGG
152501	GTTGGTGGCC	ATGTTGGCAG	AGAAGGGGTT	AATCTCTTGT	TGCTGTAGGA
152551	GCCGAGGTTG	CGAGCTAGAT	TGAAAGCAGG	CGCTGCAGTG	CCATCGCCAG
152601	CGCCGAAGGA	GTAAGACGAT	CTTCTCCGCA	ACAGTGTTGA	ATCCGGCTGA
152651	AATTTTTTTT	CCTCCCCGCC	TCCTTTCTTG	TTTTTCTTTA	ACCAGCTCCT
152701	CCCCCCTTCG	TTCCCAACCT	CAAGTCTGAC	GATGACACCT	CCAATTTTGA
152751	TGAACAGAG	AAGAATTCGT	GGGTTTCATC	CTCTCCGTGC	CAGCTGAGCC
152801	CCTCAGGCTT	CTCGGTGAA	GAACTGCCGT	TTGTGGGGTT	TTCTGTACAGC
152851	AAGGCACTGG	GGATTCTTGG	TAGATCTGAG	TAAGTGAAAA	TTTGACTTTC
152901	TAAAGGGACC	TGCATTGATG	CAAGGCTTTT	GGAGCCAAAG	GTGGTGGTGG
152951	GGGGGTGGGG	GAATAGGTGG	GGGGAGTGCA	GTGGAGGGAA	GCTGCTAGTC
153001	ACCTGCATTG	GGAAAGCAGT	CTACCTGTTA	GGGCTTTGCG	GGGGTAGCCT
153051	GTTAATATTG	TCATTTTGCA	GTGTGTAAGG	TACCTGTTCC	TGTCTGTGGT
153101	ATGATAATTG	TCAATTGGGT	ACTTTGGGTT	AGTTTTCCAA	TCTTTGGTCT
153151	TCTTTAAAGG	GGAGAGAGTG	GGAGATTTC	AGCAGTGCAG	ATCCCCGGTC
153201	AAAGGAGAAA	TGTGCAGGAG	TTAAGATGAG	CTGCCCATCT	ATCTAACCAT
153251	CTATGTATCT	GTCTCTCAAG	TGGGTGGATG	GGGGTTGCTA	TCTTGGCTGT
153301	ATAAAGAATC	CTAAAAACCT	TGTCTCATAA	GCTAGAGGTT	TCCTGATGGG
153351	TTTAACTGAG	CTGCAAGTGG	CTGAACCAGA	GCTCTAACAG	AGAGATGGTG
153401	CTCGGCTCCT	CTCCAAGTAT	GCTGCAAGAT	CAGGGATCTG	GCAGCTGAGC
153451	CTCTCTGAGC	TGGTGGAGCG	CTGGCAGCCA	GAGAAAGCCC	CGTTACTGTG
153501	AGCCACCAGG	AGGGAGTGTG	ATGTAGCCGA	GTCATTGATT	CACAGAAACT
153551	GGGCTTCATA	GGGGGAAAAA	AAACCAGGAG	ACTAGAAAAA	GGAAATATAA
153601	ATATCACTGT	AAACCTCTTG	ATCTGGTAGG	TCTTTCTCCA	TTCTCATAAA
153651	AGCTATTGAA	AAATGCATTA	ACAGAGCACT	TGGAATTAGA	GGGTCGAGGC

FIGURE 3FFF

153701	TTCCAGGAGC	CTCCTGGAAT	TTCTGTAAAA	TGCAGTAGCT	TCTGTGGATG
153751	TGGGAGGTCA	GTATCTTGCC	TCATTCTCTC	ATGATACAAT	GACATTCTGT
153801	TTTCAGAGGA	GTGAGTCCC	CAGAAGATCT	TGGACTGATG	GTGTTATTTG
153851	CCAGCCACCC	TGGTCCCTGC	ACTTTCAGGT	TCTCAGAGGG	TAATGTTGGG
153901	TTAGTTGCTG	CCCACCTAGG	AGACGAGCAG	AATTTGATAT	TCTTCTTGCC
153951	AGCATCTTTC	CCTCTTTGTG	GTATTTGTAG	CTTAGATATC	GATTTATAGG
154001	GATGTTATGT	TGGTTCCTGG	ATGGTGTCTC	CCTATGGGTG	CTATTTTGAC
154051	AGTAACGTTC	CTGAAAAGAT	TTCAGAGTGT	TGTGGGGAAT	TGGGCATTTG
154101	ATACGAAATA	AGGTTGTGGG	CTGTGATTGA	ATGTGAGGGA	GGTTTTTATG
154151	TTGCAAGATG	TTGAAGTGGT	CTTTCTTGAT	CCCCTCTCTG	GGGGCTGGGT
154201	TTCAAATTCA	GGTTGGATTT	TGGTAGTGTT	AGATGTGCCT	CTCTGTCTGA
154251	TTTGCTCCAC	AACCCCAAAG	CAATCTGGAT	GGTGGTGGGA	GAGGCAGAGT
154301	GCTAACTAGC	TGTTGAATGT	GCCATCAGAT	GGGTTTGAAA	CGGCTCAGCA
154351	GGATTGGGAG	GTTTTGCCAT	TGGCATCAAA	GAGCAGGGCA	GAAGCGGAGG
154401	CCTGATGTTG	AAGGATGCAT	GGTTAGTGGG	CAGTATAACC	TTGACACACG
154451	CAGCACACTG	AAGGTCACAC	GTCGTA CTGG	AAGGACGTGT	GGAGAGTTCT
154501	AGTTCTGGTT	AGCAGTGGGC	TGGCTGGGTC	AGAATGCAAG	CTTGCTTGGG
154551	TGTTGGTCAG	TGATCTGAAA	GACGAGGGAG	GATTTCGAGG	AGTTAGATTT
154601	CAGGGGAAAA	GGCAGAATGA	TATGGGAGAT	CTTAGGCATT	GCAATTAATC
154651	TGAAGCAGTG	TGTGATTAAT	TGCTTATTTT	TCAGGAAGAC	TTGAATGACA
154701	TCTTTCTGTT	TCTCACAGAA	AGCTCAGTTT	AGGGAGCTCT	CTGACAGGGA
154751	CATCTCAGTA	TTAAGGCTGA	GGCACTCGAT	AAATATTTGT	TGATTTAATT
154801	TACCTATGAT	CCTTTCCTCC	AGAAGTGTTT	ATATTGCTTA	TTGTATTTGA
154851	AGATGTGCTA	TCTCACCTCT	GGTAGTTTAA	ACTATATCCT	TAGAGCACAA
154901	AACGAGCTGC	TGTTCTTGAC	CCAACAGAAT	GTTTAATAAG	ATTCTTATTT
154951	CAAAAAAGGT	CCATGCAAAT	AAAACGTGTG	ATTTCTTATT	TGGACGATGG
155001	CATCAGAGTA	TTCCTATCAT	TGGGGAACCT	TAACGTTTTT	TCAAAGCTTG
155051	GCAACGGGGT	TGGAATCAGA	AAGATTTTCT	TTCATCTTGC	GTCTTGTTAT
155101	GTGTTATTGC	TATTGGACTT	GGCTACTCTG	CTGTAGGCAG	CCCTGTGGGT
155151	GATACCTACA	AGCATCATTT	TAGAAATTCA	TCCACCTGTT	GGATGTAGAT
155201	GACCCTGGAC	ATATCAGATT	GTGATTAATT	AGAAATCTAA	TAAAAGAGAG
155251	GCAGTGATGA	AATTACTTAG	CAGCTCCTGC	AGTTTTATTG	ACAAAATTTA
155301	CTTGAGAGAGA	GGGGGAGACA	TTTTCTGGGG	GTACCACCTT	TGCTGCCAGC
155351	GACCCTGTGT	TTCTTCCTGA	GTTTCTTTTT	CTTTTCTCAC	CATTTTCAGC
155401	ATCACAGGTT	TTTATTTACA	CACATTGATT	ACCTGTGCTG	TTACTCATTC
155451	TTACACCCAC	TGAGGAAATT	GCAGATGCTG	CTGTACTGTG	CTAGGTAAAT
155501	TGACCTCAGA	TTTGTTACCA	GTGAATTGAA	TGAAATGTTC	AGAGGTGGAG
155551	CTGAATGAAC	GAGGAGTTTT	TGTGGAGAAA	TTGGCAGTGA	GAATGATTTA
155601	AATTCTGTGA	TAGCTCCTCG	TTTTTTGGGA	TCCTTATTTT	GGGACCCAG
155651	ACTATTTTAA	AGCCATTGAG	TGCATCATT	TTTTAGGCTG	AGCAAGAATC
155701	TTGATGACAG	CGTTTCAATG	GCTGAGGCGT	AGTGGGAGTT	CCTTGCAGCT
155751	TGAGTTGGTG	GGAGCTGGAG	AGTTTCTAGA	GAAGTAGGTT	TGGTTGTCTT
155801	TGGGGTGGGG	TTATGGTGAA	ATTAGTCTTG	GAGAGTGAGT	AGCTGTCTGA
155851	TGCTTCTTTT	CCTTTTAAAC	CAGCAAGAGC	CCAAACCAAA	TCCCCAAGCT
155901	CTGAATGCCT	GGCTGTTTCT	CTCAGCCTTT	CTTTGCTTGA	ACTTGACAAT
155951	AGTAGGGTAG	TAACAGGAAA	CAGCATGTTA	AAGTTTTTAA	AATAAAATAG
156001	ATCTCAGCTC	TTTTCTTTCC	CATTAGCAAG	GGGTACATTT	ATTTAGGTTT
156051	TTCTTCTAG	ATTGAGGCAC	TGCCTCATTT	AAGTTCTTGG	TGAAGCCATG
156101	CATTTCTGCA	AACCATAAGT	ATAAACTCTA	GAACGGGGGT	GTCCAATCTT
156151	TTGGCTTCTT	TGGGCCACAT	GGGAAGAAGA	AGAATTGTCT	TGAGGCACAC
156201	ATAAAATACA	CTAATGATAG	CTGATGAGCT	AAAAAAAAAA	AAAAACTCAT
156251	AAAGTTTAA	GAAAGCTTAC	AAACTTGTAA	GTTTTGAGCC	ACATTAATAA
156301	CCATCCTGGG	CTGCATGCAG	CCCCCGGGGC	CTTGGGTTGG	ACAAGCTTGC

FIGURE 3GGG

156351	TGTAGAAGGT	AAAAATCAGT	TGGTTTTATG	TTTTTGTTTT	AAACATGCTG
156401	GTTGTATGCT	TTTGAAGAG	TTGGGGAACA	CTGAGGGTAA	TGGGATCTTG
156451	ATGGGGCTGG	AATTTGTGGG	AAGATGGTGT	CTGGGTAGGC	TGTTTTTAGG
156501	AAGGGGCACT	CTCTTCCTTT	TGATTCCAGAG	ATTTTTCCTT	TCTTTTCGGG
156551	TGGTTCTGAA	AACACAGCGA	TGGATCCAGG	CATTCAAACA	CCATGGAGGA
156601	AGGAAGAGTG	GCTGTTGCCA	TTGCTTCCCG	AGTTTTCTGG	GAACCAAGTTT
156651	TTGGTGCCTC	TTCTTGCTC	TACTGGGGCT	TCTCTGCATG	TCAGTTTCTT
156701	CAACTGCGAA	GTGGAAGGAC	AGCGATACTT	TTCTTACAGG	ACTTTTGCGG
156751	GGATGGATGA	AATACGTAAA	ACACTTGGTC	TAGTACCTGG	CACATGGAAA
156801	AGCCTTGGTA	AATGTTCACT	GTTGTTATTT	TTGTTATTAC	TAATACACTA
156851	GTCCATGTAT	GTATAGTGTC	CTCCTATACA	CACCAAGAGA	ATATGGAAAG
156901	GACTCAGCAA	TGATTAGGTA	GTCCAAAGTC	ATACCAGATT	GGAAACCAAG
156951	CTTCCCAGGC	CCTGGGACTT	TTCTGCTAGA	GACACTTCAC	GGTTCTGACC
157001	AACTACAAAG	AGTTAATATG	CAGTTGCCAA	ATACCTGTTG	GTAAAAGGTG
157051	GATGTTGGGG	AGGAGTGGAT	TGGGGAACAG	AATTAGAAGG	TCCAGTCCCA
157101	GAATGGGTAC	CTTCCCATCA	AGTTGAACAA	GTCAAAACAG	GTTATGTTGA
157151	AACAAGTGA	AGAAAGTAAA	GCAAAACACCA	TTGCTGCAGA	ATATCATGGT
157201	ACAAATTGGA	CATCTTTGGG	AGTTAGCGGA	GTAAGGCAAA	ATCCAGTGAG
157251	GGACGCTTAA	TGGGTAATGC	CAATTCACAA	TTCTTGTTAA	ATTACATTGC
157301	TGATCTTCCT	TGGAATGTCT	GTCCATTCCC	CCAAGTAGAC	TGTGATCTCA
157351	AGGCAAGGCT	GGGTCTTATT	CATCCTGGTT	TTCCTGGAGC	AGTAAATACT
157401	TGTGCTGGGA	CTGGGCTTAT	AAGCATACTA	ATGGAAAGTA	AAATATTTGG
157451	GTTGGTTTTT	TAAAAAGACA	GTGGATTTGG	ATCAGTGGAG	AGGAAGGTAG
157501	AGGGAATTTT	AGGTGGGCAG	GGTGCTAACA	ACAGCCCATC	CTTACAGGGC
157551	ACCAACTGTG	TTCTAGGCTG	TGTTCCAACC	ACTTTACACA	GATGAATTCA
157601	TTTAAATTGC	ACAACCAGCC	CAAGAGGAAG	GTACCATTAT	TATTCTCATT
157651	TTGGATGTGA	GGAAACTGAG	GCGTGGGGAG	ATCAAACAAC	TTGCCTAAAG
157701	TTATGTAGCT	TTGAGTGGCT	TAGCTGAGAT	TTGAACCCTG	TGGGTATAAA
157751	TGCCACAGAT	GGGAAATTTG	TGTGGGGTAC	CCCAGGGTTC	ATGTGCTTGT
157801	TAGAAGTGGA	AGCTATTTGT	AGAGAATCAC	GAATGATGAG	GTTGGGGCAG
157851	GGTGTGATGG	GAGCTGACAG	GCAGGTCTAA	ATGCTGGGAT	TCCATTTTCA
157901	GTCTCTGTGT	TTATTGAGTA	GGTAGACGGT	ATAGCTCTTG	GATTTCTCAG
157951	ATTTTTTCCT	CTTTTCATTT	AGAGACTCTT	ATCTGGTGTG	TGTGTGCCCCG
158001	CACACATACA	TAAACCCACG	CGTATATACT	CTTTCCTGA	ATGTTCTTAT
158051	TTGCTAAAGC	TTAAGCTTGG	CAAAGAGAGG	AAACTGCACT	GACCTTACTC
158101	TCCACCATAT	CTTCAGGCTG	ATCATACACA	AGTTGCTTAA	TAAGCATTTG
158151	GTTAATCCAT	CTAAATCATT	CTTATGGCTG	CAACTCTCAT	TTTGTTGATG
158201	ACTCTACTAT	CTATGTCTAT	TCACATCTAC	ATTTTGTACT	TTTGTTTGCC
158251	TCCCATCTGT	CCTGGGATGG	CTGATACCAG	TGGAAGACAG	CCTGAACCTC
158301	CCAATCAGTC	CTGTTTCCTT	TTTATGAAAT	ACTTGGAGGT	TGGAGGATCT
158351	TCCCTTAAAA	AGTGTTTTCC	TTTCTACATC	CAGCCAAAGG	CTCTTGGTCC
158401	TTGTGCTTGC	TACCTAGATC	CCTATTGGAA	AGAGTCTTGC	CTGCAATTTG
158451	ATTTTTTAAA	TAGCAGCAAT	AACAGAGTCG	TCTCTGCTAC	ACGAAGACAT
158501	GCATCTGCTG	TATTTCCAG	ACAAGTTCAA	AAACCTTAAC	TAGCTTCTGC
158551	CCATGGTTAT	TGCTCTCAAG	TGCCTTGTGT	TGTTCCCATC	CCCTCATTAT
158601	CTGGATTAGA	TGTTTAACAT	TTGCCTGTGT	GTGTTGTGTT	GGATTTTCTC
158651	CTCTCCTCTT	GCTCATTCAA	TTTCTTCCTT	CTCTTAGCCA	AGCACAGCTT
158701	GTTCTCCTAC	TTGCCTTATT	CTGTTCTCTA	TTTAGACTGT	GCGTGCCTGC
158751	CTTGCAAGCC	TGGCAGGACC	ATTCCACCGC	CTTCTCATTT	GTCTTAAAGA
158801	TACCTTTAGG	AAATCTAATC	CAGACAATCC	TAGCCCAGTC	CTGAAGATTA
158851	GGCTCCAGAA	GATTCTGTCA	AGTGTGTTTT	TTGCTGGCCT	ACACATGCTA
158901	ATTTGCATGG	TTGCCTGGGA	TCCCTTAAGA	AGACAGTCAT	TGACTAAATG
158951	GCGCTACATG	TTCCCAAGCT	CTGCGCCAGT	CTGGCAACTC	TTCTTTGTCT

FIGURE 3HHH

[illegible]

FIGURE 3III

[illegible]

FIGURE 3JJJ

164301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
164351	NNNNNNNNNN	NNNNNNNNNN	NNNNNATTTCA	GAGTAAGTTT	TTCTAGAAAA
164401	TAGAAGCTGG	AAAAAAAAGG	AAAACCCAAA	CTTGGCTTCG	TGCTCGAAGA
164451	GACAGCACTG	CTGTGTGTGG	GCGGGTGGCT	GCGTGCACCC	GCTGCTCAGA
164501	AGTGCCTTTT	CTCTCCATGG	GGATAACTGG	CTGTGTATCC	GAGATGTGGC
164551	CAGGAGTAGG	CAAGCAACGT	GTGGGCAGGC	TGCATGTTCT	TTTATTAGCA
164601	TCTTCATTGT	ACTGCATCTC	GTCGAGCCCA	GAGCATGAAC	TGGCCTGGGT
164651	TTCTAATATC	TACCCTGCTT	CCCACCTAAT	TACTCCCCTG	AACCCTAAAG
164701	TGAGGGAGGG	AGAGTTGCTC	TTGTGGGGTG	AGCTTTCCTT	GGGGTGGCTG
164751	TGAACCAACC	TGGCATGTGG	ATGTTCTTGG	GTATCCAGAG	CTGTCCTGGA
164801	CTCAGGCTTG	GAGTCAGCTT	CTTAGCACTG	AATGCAGCCA	GTCATGGATG
164851	GAGGTCACTG	TATCTCACAT	GTTCCGCTCT	CCCTTTCCTC	CATGACCTTG
164901	CCCCTCTGAG	CCTCTGTAGC	ACTTTTCTTG	AGTGTGTCCA	AGGCCATCTA
164951	GCTAAGAAAGT	AGCAGAAATG	GGATTTGAAG	CCATGACTGT	TTGGTGATAG
165001	AGCCTCAGCT	TTGAACTGGG	GTTCTACTGC	CTGGCACCCC	TGCACAAATC
165051	ATGGTAACGT	GGTAGGAGAA	CATAGAGGTA	TAGGGCAAGC	CCCTCCTTAA
165101	TGCCATGAAT	AATACCCATC	TTATAGGATT	GTGGGGAGGA	CTCAGTGAAG
165151	TAACCCGTGA	AGCACTAAAC	ACGTGCCTGA	CACGTGCTCA	ATAAATGAGC
165201	ACTTGTCTTG	ATGACAAAGG	TGCTGGCATT	AATTCTCTCT	CCTAGGTTGT
165251	TACTTCCTTG	AGGACAGGAA	TTGTGGCTTC	CTTAATGGCC	ACTGCAGCAG
165301	AGTTTCTCAA	GTTGGCACTA	TTGACATTTT	GGGCTGGATA	ATTCTTGTTG
165351	TGGGAGCTGT	CCTGTGGATT	GTAGGATGTT	GAGCAGCATC	TTTGGCCTCT
165401	ACCCGCTACA	TATTAATAGC	ACCCCTAGTC	ATGAAAATAA	AATGTCTAGA
165451	CATTGCCAAA	CTGCCCCTGT	TGAGAACCAC	TGGTCTGCAG	GTATCTCTCA
165501	TGGGGATCAC	AGGGCTTTTA	TATTCTCTTC	TCTGTCTCTC	TCTCTCCCTC
165551	TCTGGGTGTC	TCTCTCTCTC	ACACACACGC	TTAGAGAAGG	TGGTTAAAAA
165601	AAATTTTGTT	GAAGTTTGAG	AATTTTGAGA	ACAAAGGAAA	AATTTTGGA
165651	GGCATTTTAA	TGAACAGATA	GACTCTGTCC	CATTCCATGG	TCAACAGAAT
165701	TTCATAATTA	GATAGTTTGT	TTACTGCAAC	TCTGCACCCC	ATTGCCCATC
165751	ATTTTAGAGT	TCCAACCAAGT	TAGAGGATTT	TTCTTGCAAA	CTTTCCTTAA
165801	AGCAGTGATA	GTATCAGCTC	TTTAAATAAT	ACTATGCTTG	ATGAAGTGGT
165851	ACTTTTCGGG	ATAATTTGAG	ACCAGCCGAC	TTGCTGCTTG	AAGAGGACAG
165901	GGCTATATTT	GGTAATAATA	TATATGTGAT	AATATGTATG	TAATATTATT
165951	ATAATGTAAT	ATACAATAAT	ATTTGGTGTA	ACTGGTGACT	CTGAGGCCAG
166001	TCTTTGATCG	AACCTCTCAA	GCTATGATTT	ACATTATGGT	CAATGTTAGC
166051	ATAATGCAAT	TATCAGCAAT	CACTTGCTGT	TGCTTTGAAA	GTCAGAAGGA
166101	TGGCTAATAA	AAATCTTAGA	AAAAGAAAAC	AGGCCGGGTG	CAGTGGCTCA
166151	CCCCTGTAAT	CCCAGCACTT	TGGGAGGCTG	AGGCGGACAG	ATCATGAGGT
166201	CAGGAGATCG	AGACCATCCT	GGCCAAACATG	GTGAAACCCC	ATCTGTACTA
166251	GAATACAAAA	AAAAAAAAAA	AATTTGCTGG	GCGTGGTGCC	GTGCGCCTGT
166301	AGTCCCAGCT	ACTCGGGAGC	TGAGTCAGGG	GAATCGCTTG	AACCCGGGAG
166351	GTGGAGGTTG	CAGTGAGCCG	AGATTGTGCC	ACTGCACTCC	AGCCTGGTGA
166401	CAGAGTGAGA	CTCCGTCTCA	AACAAAACAA	AACAAAACAA	AAAACAAAAA
166451	AAGAAAATCT	TAGAAAAAGA	AAATAAATTG	TAATATTTCA	GAATATTTGT
166501	TGGGGAGGAT	ATGTGTGCTC	AAGAAATATA	TACTGAGAAC	TTACCATTGA
166551	TGCTAGAGAT	TGAATTGCCC	CATGTCTACA	TGAAAAATGA	ATAGAATATA
166601	AACATTTTAA	ATTGAGCCAT	GTCTATCTGT	ATTATATTTT	TTTTATAGAA
166651	ATTCATGGAA	ATGGTATATT	TTAACTGAAT	TATTAACACT	GGGGACAATA
166701	GGCTTTAATC	ATTATCTAAT	ACCTGTACGT	TGTTTTGAAA	TTCATAGCCC
166751	ACCACCATTA	ATTTCAAAAT	TGGGTTCTTA	CTCAAAGAGT	GATGAAAAGG
166801	CACCAGTACC	AAATGGTCTG	GCCAAAATGC	TACATGGAAC	TAAATGCTGG
166851	GGATGGTCAT	ACAATGAGTT	TTAAGTGGCT	AGACCCTAAA	TCAGAAGCAC
166901	TTTCTTCTAA	TTAGCACCAT	GGTTCTTAAT	CCTTTCTGTA	CATTACAATC

FIGURE 3KKK

166951	GCTCAGCAGC	TTAATACAAA	TGTTGCTTCC	CGGGGCCACA	CTCCACATCT
167001	TTCTGACTCT	CTGATTTAAT	TGGTCCGAAT	GGGGCCTATA	CATCAGGTGT
167051	TTTTTAAAAG	GTCTCCAAGT	GATTCTAATG	TGTACCTGCA	TTGAGGACCA
167101	GGGAAGGTGT	AGGAAGCCTG	ATAACCTTTA	CTCTCCAGCC	TCATCCTCCA
167151	ATCCCATGAT	TGTTTATGGG	ATTGTTGCTA	CACACCCAGC	TTAGTCATAG
167201	CATTCTTACT	CTAGCTTTTT	TTTAGATGCA	ATTTTTATTT	ATTCTTAAAG
167251	AAAAAGATTT	CTTTAGCACC	TTTATTCTAA	AGAGCTCTTA	ATTGCTGTGC
167301	TTAGAACTTC	TAAACAGTGA	GCATTTGTCA	AACATAGAAT	AGCAGAATGA
167351	AGGGGTTGGA	CCTCGGGTGA	GGAGGGCTGT	CGCATGGTCT	CTTTCGAGTG
167401	CCGGCGGGTG	GGGGCTGCAC	ATCTCCTCGC	TTCTGGGCCC	ATTGATAAGT
167451	GACCTAAAAG	TGCCTTTCGT	TTTTTTTGGT	GGGGGGTGAA	AAAGCAATCT
167501	GTTTTGTACC	CACAGCGGTG	CACTTTAAAC	AGGAAGCCCT	ACTGGGGCCA
167551	GCCTTCTATG	TGTCATTAAG	TTTTTCACGC	CACATCCTAC	CTATCATCAT
167601	GCACCCATGT	CATCGTTCTT	TTAAAGGGTG	CCAGTTTTTT	GCTTAAGCAC
167651	AAGGAGCTGT	GACCTGTGTT	GTCATCCCTG	ATGCATGTCA	TGCATGTGAC
167701	TTCATGACAT	GTGGGTGACT	TTTGATCTCT	GAAGGACCAG	GGACCCAGTC
167751	TGTGGATCAC	CACCTCTCTC	GTGGGTGGTT	TGGGTCTTGT	TCTCTAGCCC
167801	ACCCAGCCAG	GTGCAATTAG	GAATAAAGGA	AATAGCAAAG	GAATTTTGCT
167851	CAAGGCCATG	CCAAGCATTT	CATCTCATAT	GAAAAGGAAA	AGAGAGAGAG
167901	TGTGTGTGTG	TTGGCTAGAT	TTAGGTAGAA	AACAGGCTGG	TGAGAAGCGT
167951	AGAACTTGGT	TAAAATTTCT	AGCCAAAAGT	AAGATTTTTA	AAAAGATTTA
168001	TTTCTGGATC	CAATCCCTGT	TGCCCATTTT	TATGAATAAT	CACCATTTGT
168051	TTTAATGTGA	ATAATAGCAC	ACAGCAAATT	CAGCCCCCTG	AGTTTTACCA
168101	TTTTAAGCAA	TTGCTTTAGG	CCCGTGAGGC	ATGTACTATT	TATGAAGTTG
168151	CATGGGTAAG	AATGGAAAAC	ACAACAATGA	CAGTAGTAAC	AGGTGACATT
168201	TGTCGAACAC	TTGCAGTGTG	CCAGGCACTG	TGCTGAGAGC	ATTACATGCA
168251	TTATTTTCATT	TAATCCTTCC	AAGAACTCTT	TGAAGTAGGT	TGGTAATTAT
168301	GGCCATTTTA	CAATTGAGGA	AACTGAGGTT	CGGAGATGTC	AAATAACTAG
168351	TCAGTGGTGG	GGTCAGATTT	TTCTTTTTTT	TTTAAATTTA	TTTGCTTTTT
168401	TTTTTTTTTT	TTTTTTTTTG	AGACGGAGTC	TCACTCTGTT	GCCCAGGCTG
168451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
168501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
168551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
168601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
168651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
168701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
168751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
168801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
168851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
168901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
168951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169551	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN

FIGURE 3LLL

169601	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169901	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
169951	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
170001	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
170051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
170101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
170151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
170201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
170251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
170301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
170351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
170401	NNNNNNNNNN	NNNNNNNNNN	NNNTGGCTTA	AAACAACACA	CATTTATTAT
170451	TTTACAGTTC	TGGAGGTCAG	AAGTCTAAGA	TGATGCCAGG	CTTGGTGGCT
170501	CAAGCCTGTA	ATCCCAGCAC	TTTGGGAGGC	TGAGGTGGCA	GGATCACTTG
170551	AGGTCAGGAG	TTCCAGACTA	GCCTAGCCAA	CATGGTGAAA	CCCCATCTCT
170601	ACTAAAATA	CAAAAATTAG	TCAGGCACGG	TCACGAGCAC	CTGTAATCCC
170651	AACTACTCAG	GAGGCTGAGG	CAGGAGAATT	GCTTGAACCC	AGGAGGTGGA
170701	GGTTGCAGTG	AGCCGAGGTT	GCAGTGAGCC	GAGGTTGCAC	CACTGCACTC
170751	CAGCCTGGGC	AACAGAACGC	GACCCTGTTT	CCAAGAAAAA	AAAAAAGTCC
170801	GGGATGAGTT	TTACTGGGCT	GAGATCAGTG	TAGACAAGGC	TGCCCTCTCT
170851	CTGGAGGCTC	TAGGGCAGAA	TCTGTTTCCT	TGTCTTTTCC	AGCTTCTAGA
170901	GGTTGCCTGC	ATTCCTTGGC	TTGTGGCCCC	TTCCTCCGTG	TTCAAAGCCA
170951	TTGGTGTAAC	ATCTTCAGGT	CTCTGTGACT	CCGATCCTTG	CTTCCATCTT
171001	ATAAGGATCC	TTGTGATTTC	ATTGTACCCA	TCCAGATATC	CCAGGAGAAT
171051	CTTTCCATCC	CAAGATCCAT	AACTTAAATC	CCATCTGCAA	AGTCCCTTTT
171101	GCCATGTGTG	GTAATATATT	CACAGCTTGC	AGAGATCAGG	ACATGGGCAT
171151	CTTTGGGAAA	CGGGAAGGGG	GCATTATTTG	ACCTAACATC	AAGAGCATGA
171201	GATGTTTTTG	TAAAATGAAA	CAAATGTTGC	AGCTTCCTAA	TGCAGCTTCT
171251	TAGGCCCCACC	TGCAGGCCCC	CTTGACGTTG	GTTTTTCTCT	ACCTAGGTCT
171301	GTTGTGTCGG	GTCTGGACTC	CCCTGCCAAG	ACTAGCTCCA	TGGAAAAGAA
171351	ACTTCTCATC	AAAAGCAAAG	AGCTACAAGA	CTCTCAGGAC	AAGTGTCAAC
171401	AGGTATTTAT	TTCCGCAGCC	GGCCTCCTTC	CTTGCTCCAG	GATCCTCCCC
171451	TCCGTATATG	CCAAGGGATC	CGCCCGGGGC	CGCTGCTGGC	TCTGAGCCGC
171501	CTGATCCGTA	GAGAGTGAGG	CGCTCCTGCC	TTCGCTGAAG	TCGCGCCTCC
171551	AGCAGCTCAG	AGGGAGATGA	ATTGCGGCCT	TGCTGTTGCT	GTAAATCCTT
171601	TAAATCTAAA	CCAGAGGAGG	CCCTGGATTT	AAACAGTCCG	TTTCTCAGCA
171651	TGACCCAGCC	AGATGTCTGC	TTCTTCCGGC	AGGTGGCCTG	GGTCCTCACC
171701	TGTGGCTGAG	ATACATCCCA	TCTGCTTTGA	GTGATGCGAA	GTCTCTCTTC
171751	CTAGTCTTTT	AAAACCTCTG	CTTATGTCAC	TGCGGCCACT	GTGTTGATTA
171801	CGCTCAACGT	CTCTTAACAT	TCACTGTTCC	TGCCCAGAGG	CAACGCTCTG
171851	GAAACTAATA	AGTCACTGCT	TGCCTGGGAC	TCCTAAGAGT	GCAGACGAAT
171901	AAATATCTCC	TTGCCCTGTC	CTGGATTTGT	CCTCTAGATC	TTTGCAAGGA
171951	GATGGGGGGG	GATCAAGATG	GATTTGGGAT	AAAATTAAAG	TGACGTCTGC
172001	AAAAACAAAA	CAAAAACAAA	AGCAAACAGG	TGAAAAATGA	TGATTGTGGC
172051	TTCCTTGCTA	ACTGGGTAG	AGAAGTGATC	AAGTGTGAAC	CGGGACTTGA
172101	ATGAGAGGAG	TGACTTAGCA	TTTGGTGACT	GTCCTTAACG	AAGAAGTGTG
172151	CGCTCCTGGG	CGAAGAAACA	ATGGTATTTT	CATCCCAACT	TAACTTTTGG
172201	CGAATTAGCC	TTAGCCAGCA	CCACCAGGTG	GTTTCGGAGG	CTACTTGAGA

FIGURE 3MMM

```
172251 TGTGATTGCT CCTAATGAAC CTCCACGGGC CTTTTTAACC TGTCGATGTG
172301 TTTATTTTCAG ATGGAGCAGG AAATGACCCG GTTACATCGG AGAGTGTCAG
172351 AGGTGGAGGC TGTGCTTAGT CAGAAGGAGG TGGAGCTGAA GGCCTCTGAG
172401 ACTCAGAGAT CCCTCCTGGA GCAGGACCTT GCTACCTACA TCACAGAATG
172451 CAGTGTGAGC CTTCCCTGAA GCCCCCTTCC CTTGGAGGTG GCACTTCCTG
172501 TTGTGTGTGT CTGATCCTGT TTCATGATGA CTCCATGAGG CACATCACAG
172551 CCAATGGCAG AGAGTAGAGA GAGGGAGAGC ACAAAAAGCAA GATCTGTGTT
172601 TTGCAGAGTA GTGAGAGCCA GCGGTAAGGT CCCCAGAAA TGAGATTGGA
172651 CTCATTTCCA GCAGAAAGTG CAGGTAGACG GCTGGTACCA TGGAGTCTGG
172701 AGATGGGAGT AATTCATCTT TGCCGCAAGT TGCAAAAGAT CTTAACATCT
172751 CCCATCCCAG CCTCTGTGGT CTGCGTTGTG TCTGACATGA GCAGCCTTGA
172801 GAACCAGACT CCAACTATG TACAAGAAAA CTTACTTTCA ATCTTCCTGA
172851 CATCAAATTT TCCATTGGCC AGAACCAGTG TAGTGACAAG AAAATAGCCT
172901 TGAAAACCCA GACCCTCTGT CATTATTTAC CATGTGACTT TCATTTTTTC
172951 TTTCTTTCAC AAGAGTAGAC TGTCTTCTTC TCCATTGTCT TGTTAAATTT
173001 TTCATTCAGG TGTTTTTTAA TGTGCCCAAT TAAACAGTCT CAAGAAGTTG
173051 AATCACACAT TTCTAAAGTT TTTTTCACAA GGGAGAGGAA ATCTATAGAA
173101 CGTGCGTGAT TAAGAATAAC TGCTATGTTT CCATTCCAGA CTTGGCTGCC
173151 TTTCAGTGGT GGGTGAAGTT ATTCAGCTAT GTATTTTACA TATAGATTTT
173201 AGTGCCATGA AGCATAAGGG NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
173251 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
173301 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
173351 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
173401 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
173451 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
173501 NNNNNNNNNN TGATTCTCCT GCCTCAGCCT CCCGAGTAGC TGGGACTACA
173551 GGCATGCACC ACCATGCCCA GCTAATTTTT GTATTTTTAG TAAAGACGGG
173601 GTTTCACCAT GTTGCCAGG GTGGTCTCGA TCTCTTGACC TTGTGATCCG
173651 CCTGCCTCGG CCTCCCAAAG TGCTGGGATT ACAGGTGTGA GCCACTGTGC
173701 CCAGCCCAT AATCAAAATT TTTTCAGCAA TTGTTATACA AGTGGAACTT
173751 TACTCTTCAA ATGCAATTGT CCAGTGTCTG GCTTAATGTC TGCTGTTGTC
173801 AGAAACCATG TGAATGGAGT AGATTTCCAG GTTATAAGGA GCCCCCAGGG
173851 AGGATGCGCG AGTCACTGGC TTCTCCAGGG GTCTCTGGTT TGGGGTTGCC
173901 TTGGTGCTGG GCACACTTCC TGGAGATTTT ACTGGACCAG CCTGAGGCCT
173951 TTGGGGCTCT GTGCAGATGC TCTACTTCTG ACTTGTCTAG AGCTTTCTTC
174001 TAATTCTGGA CTAAGAGCAA GCAGGAGTTT GGAGGATGAT GGTGAGAATT
174051 CACATCCCCG AGTTGGCTTT TGGAAATGCAG TAGTTTGTGA GATTTAGTGT
174101 TTTTTTTAAG AAGTATATTC AGATCTTGCC TTTTTCACAG AAAGCATATG
174151 AGACAACCTC CAAGACATTT ATAGCATGGC TAATAAAATG GGAAATCAGG
174201 GCGAAGGACA GGAGAACTCA ATAAGGGTTA ACATGGCTAC AGCGATTGTC
174251 TAAATGGGTT CTTTTTGCTG GCCAGAGCAG AAAGGATCAT GCAGTAAAGT
174301 GGGGGGGAAG AAAGGGAATT GAATGGTAGG TGAAGACTTC ATGTTGGTGC
174351 CAGGCACTGT GCCAGGCCCT CCTAGGACCT TGTCTTACTC AATCCTCACA
174401 CAGTGCTGCA AGAGGATTAG TCTTATCCCT GTTTTAGAGA GGATGAAACT
174451 GAAAGGCAGC GAGGTGAAGT CACCAGCAGG AGGCTGAAGC CGC
(SEQ ID NO:3)
```

FEATURES:

Start: 2007
Exon: 2007-2102
Intron: 2103-8974
Exon: 8975-9117
Intron: 9118-15407

FIGURE 3NNN

Exon: 15408-15409
Intron: 15410-20480
Exon: 20481-20656
Intron: 20657-27907
Exon: 27908-28013
Intron: 28014-72738
Exon: 72739-72741
Intron: 72742-105286
Exon: 105287-105294
Intron: 105295-121265
Exon: 121266-121393
Intron: 121394-123900
Exon: 123901-123911
Intron: 123912-126394
Exon: 126395-126467
Intron: 126468-129602
Exon: 129603-129609
Intron: 129610-130289
Exon: 130290-130493
Intron: 130494-149974
Exon: 149975-150024
Intron: 150025-150920
Exon: 150921-151021
Intron: 151022-152695
Exon: 152696-152879
Intron: 152880-171296
Exon: 171297-171492
Stop: 171493

SNPs:

DNA Position Minor	Major	Minor	Domain	Protein Position	Major
10267	-	T A	Intron		
11548	C	T	Intron		
13169	G	C	Intron		
16643	T	C	Intron		
22293	A	G	Intron		
24151	T	C	Intron		
24523	G	T	Intron		
25268	G	A	Intron		
29374	A	G	Intron		
29795	G	A	Intron		
30861	T	C	Intron		
32238	G	-	Intron		
32242	T	-	Intron		
37658	A	G	Intron		
37749	A	G	Intron		
39924	C	T	Intron		
55645	C	T	Intron		
57539	A	C	Intron		

FIGURE 3000

58604	C	G A	Intron
58861	T	G	Intron
59060	G	A	Intron
59518	C	A	Intron
59802	T	C	Intron
60083	T	G	Intron
60525	T	C	Intron
61078	A	G	Intron
63026	T	C	Intron
63231	G	A	Intron
65298	C	T	Intron
66172	C	T	Intron
66244	T	C	Intron
66700	G	A	Intron
67029	G	T	Intron
67140	A	G	Intron
68038	G	A	Intron
69852	G	A	Intron
71083	T	C	Intron
71098	G	A	Intron
71445	A	C	Intron
71981	C	A	Intron
72366	T	A	Intron
73797	T	-	Intron
74416	G	A	Intron
74664	G	C	Intron
76330	T	C	Intron
78181	A	G	Intron
78685	C	A	Intron
79926	G	A	Intron
80198	G	A	Intron
80540	T	C	Intron
81810	C	T	Intron
82211	G	A	Intron
82304	C	G	Intron
82452	A	G	Intron
82539	T	A	Intron
83079	A	G	Intron
83350	T	G	Intron
83407	A	G	Intron
83434	G	A	Intron
83527	A	G	Intron
83699	G	A	Intron
83729	A	G	Intron
84000	T	G	Intron
84034	C	T	Intron
84213	C	T	Intron
84803	A	G	Intron
85027	G	A	Intron
85275	A	T	Intron
87009	T	C	Intron
87888	G	A	Intron
88136	G	A	Intron

FIGURE 3PPP

88231	G	A	Intron
88482	A	G	Intron
88608	C	A	Intron
88866	T	C	Intron
88870	C	T	Intron
88918	G	A	Intron
88940	C	T	Intron
89133	A	G	Intron
89260	T	C	Intron
89298	G	T	Intron
89682	G	A	Intron
89757	C	T	Intron
89817	C	T	Intron
90248	G	A	Intron
90283	G	C	Intron
90506	C	G	Intron
90607	C	T	Intron
92329	A	G	Intron
92912	C	A	Intron
95043	A	G	Intron
95227	T	C	Intron
107428	G	A	Intron
114951	A	G	Intron
115042	A	G	Intron
117217	C	T	Intron
120452	A	G	Intron
124035	G	A T	Intron
124589	C	T	Intron
125136	G	-	Intron
125856	G	T	Intron
126256	C	T	Intron
127332	C	T	Intron
128302	G	A	Intron
129122	C	T	Intron
129376	T	C	Intron
134893	A	C	Intron
136001	C	G	Intron
136249	T	G	Intron
136448	G	A	Intron
136906	C	A	Intron
137190	T	C	Intron
137471	T	G	Intron
137913	T	C	Intron
138466	A	G	Intron
146805	G	A	Intron
151008	T	-	Exon
151627	G	A	Intron
151875	G	C	Intron
153541	T	C	Intron
155392	A	G	Intron
155896	C	A	Intron
157137	G	A	Intron
157409	G	A	Intron

365

C

FIGURE 3QQQ

164675	T	C	Intron
165157	G	A	Intron
165405	G	A	Intron
165500	G	A	Intron
165751	A	G	Intron
165877	C	A	Intron
166135	T	C	Intron
166139	C	T	Intron
166187	G	A	Intron
166209	C	T	Intron
166402	A	G	Intron
166529	T	C	Intron
166567	G	T	Intron
166951	G	A	Intron
167026	C	T	Intron
167086	C	T	Intron
167517	G	A	Intron
167552	G	C	Intron
167775	C	G	Intron
167876	C	T	Intron
172530	A	G	Beyond ORF(3')
172714	T	C	Beyond ORF(3')
173811	C	T	Beyond ORF(3')
173812	C	T G	Beyond ORF(3')

Context:

DNA
Position

10267 TTGCCCTATTACCCAGGCTGGATTGCAGTGGTATATCATGGCTCACTGCAGTTTCAACCT
TCTAGGCTCAAGCAATCCTTCCACCCCACTGGCTGGGACTACAGGCTCACACTACCACGC
CCAGCTAATTTTTGCTTTTTCTCTGTAGAGATAGGGTCTTACTATGTTACCCAGGCTGG
TTTCAAACCTCCAGGCTTGAAGCAGTCTTCTGCCTCAGCCTCCCAAAGCTTTGGGATTAC
AGGTGTGAGCCACCATGCCTGGCCCCATAAAATATAATTTTTGAATTCTTTTTGTTTTT
[- , T, A]
ATGGAGGAAGGGGCTGAGGAAGGCAAAAGTACCTAGGGCCTATGAAGTCATATATTGGCC
TTGCCTTACCCTGTTTCTGACTTTGCTTGACTTCCATGTGATGAGGCAGTTGGCTGTTA
GTGTCCAGTTTCATACTCTTACATTAGTGTTCCTCAACCAGTGGGTGATTTGACGTTTT
CGGTTGTGAGAGCTAGTTGGGGGTGGTGGTGTGTGAGTTTGGGGGAAGGGTCTACTGT
CAGTTAATGGGTGAGGCCAGAGATGCCACCAAAACACCTTACAGTGCACAAAGCAGCCCC

11548 GATGCCTATTTTGTAAAGAAGGTTTTACTGGAACACAGCCCTACCCATGTGTTTGTACAG
TGCCTATGGCTGCTTTACATCATAACAGCATTTTATTTCATTTTATTTATTTTTTTTG
AGACAAAGTCTCACTCTGGCTGGAGTGCAGCAGCACAATCATAGCTCACTGCAGCCTCCA
ACTCTTTGGGCTCAAGCAATCCTCCTGTCTCAGCCTCCTCAGTAGCTAGTACTACAGGCCC
ATGCCACCACTAATGGCTAATTTTTTAATTTTGTGTAGAGATGGGACCTTGTGAGATTGC
[C, T]
TAGGCTGGTCTTGAACCTCGGCCTCAAGAAATCCTCCACCTTGGCCTCCCAAAATGCT
TGGATTACAGGCATGAGCCACTGTGCCAGCCCAACAGCATTTGAGTAGTTGTGATAG
AGACCAAATGGCCTACAAAGCCCCAAATAGTTCTGTGTTGGCCATTTGAAAAGGCTTG
CTGACCTCTGAGCTACATGGTCTCTCTAGCAGGACAGCCTCGACGGTAGCTCAGGTTTTCC
AAAACACAAAAGTGGAAGCTGCCAGGCTTCTTAGGGGTTATCCTAGGAGGGACATAGGA

13169 CTTACTGAGCCATCTGCAGGCACCTTCATTAGTCTTGAGACTGTCCTCTGGTTACTTAACT
AGCAGTGAATTATCTAGAATCATTTAGTGATCAGAAGACTTGGTTTAGTGGAATGTAGAT

FIGURE 3RRR

TTTTTCTAATAGACCCCTCTCCAGGGAAATGTTTCATATTTTTGAAGAGGTTTCCTGG
GGAGTGTTTAAGAGGCCATGATTGAAAATGGGTGATTACATTAGTGTGTTTTCTATTCCT
CCCCTTTTGAGTTTCTGTTTTGGAATGTAAGCTTTGTTTTCTACGTGGAGAAGGGTCC
[G,C]
TCAGCTGCTTCTGCCCAGGTTTTTTGAATCTTCCTATAGGGATGGAGATTTTCTTTGGGG
ACTGTTAGAGAAAAATGGAATAGAGTGTAGCTCTGAAGGAGAAGGATGTCTCCAGCAGAAG
TACCTCTAGCCTTGGGCCAAGGGAGGGAAGGGAAGGGAACGAGCATCTGGGAACCAGGGA
AGGGATTTTTGTCTTTCTTAATTACTCTTACATCCCCAGTGCCCAAAATAGTGTCTGGCA
TATGTTAAGTCCTTAGTAAATACTTGTGAATGAGTGTATGCTCAGTGAACAAAATAAT

16643 TTCTGATTATTTTTGTGTTACAACAGTTTTTCATCATTCACATCTTTGTATGCATCTTTTT
TGAGCACATGTGCAAGTATTTCTGTGGACAATGGATGATTCTAGAAATTGAAAGTTTGG
ATTACTGTGTTCCAAAAAGGAAGCAATACACCCAGCTATGTTGGCTTTTGCTCTTGGGT
CCAGATGATTATCTGACAAAGTTATCTCTGATTGCATTTCTTTCTTTCTTTCTTTCTTT
TTTTTTTTGAGATGGAGTTTTCGCTCTTGTGCCCAGGTTGGAGTGCAATGGCGCGATCT
[T,C]
GGCTCACTGCAACCTCTGCCTCCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCTAAGT
AGCTGGCATTGCAAGCATGCGCCACGACACCTGGCTAATTTTTGTATTTTTAGTAGAGA
TGGGATTTCTCCATATTGGTCAGGCTGGTCTTGAACCTTTGACCTCAGGTGATCCACCCG
CTTCAGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACAGTGCCTGGCCCTCTGACT
GCATTTTCACAGTGTGTTGGGTCTTATCTCTACCTCAGTACCTCAATATTCAGTGCCCA

22293 TCAGAGTCTGGCCCTGTGGACTTCAATGACTTTGTGTGGCCTCCAATCAGAGAAGCAGCG
GAGGGCAGGAAGCTGCTTGTGAGAATCTGAGAGTGATGTGGCTTCTTTGTTAGCAATAA
AATGTGAGCACATAATAGAAAGGAAAAAGTGACAGGACATGGCAGATAATTTGGAAGAGAG
GAGTGGAAGATGCTCACTCAGCCTCCCAGCTCCTGAGAAAGAACTGTGTCTCATCAGTTC
ATACTACTGAGCATCTGTTGTATCTGGTGTGTTTCTAGGTCCTGGAGAAGAGGCATTAC
[A,G]
TGTAGCCCTGACCTTGTGATGCTTATGTTTTGATGGGAAATAGTGCGTGTAAAAAGAAA
ATAATCCAACAGGCCACACGGCAGGCAACAATAGAGATATTCAAATAGGTATACCTTCC
TCCAGGTGAATGGCCTGAAATGACCGTGTGGAAGTGTGGGCTGGGGGCTTATAAAATTAT
ACACATACAGGCGCTAACTAAAGCCGCCTATTCTTCTTAAAGAGGATGCATAGAAAAGA
AAAGTAGGGTCCTTAACTGAGCCATTTGGAATTTAAGGGCATGAGAGAAGCCAGCACAA

24151 TTGTGGGCCGGGTGCAGTGCGTCAAGCTGTAATCCCAGCACTTTGGAGGCCAAGCAGGG
CGGATCACTTGAGGTGCGGAGTTTGAGACCAGCCTGACCAACATGGAGAAACCCTGTCTC
TACTAAAAATACAAAAAATTAGCCGGGTGTGGTGTGTCATGCCTGTAATCCCAGCTACTT
GGGAGCTGAGGCAGGAGAATTGCTTGAATCTGGGAGGCAGAGGTTGCAGTGAGCTTAGAT
CAGCCACTGCACTACAGCCTGGGCAACAAGAGCGAACTCCGTCTCAAAAAAAAAAAAA
[T,C]
AAATTATGTAGAGGTGGGATCTCCCTATGTTGCCCGGACTGGTCTTGAACCTCTGGCCCTC
AAGTGATCCTTCCATCTCCCCCTCCCAAAGTGTGGGATTACAGGCATGAGCCACCCCTC
CTGGCTGAGACTGCTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT
TAATGGAAGCTTCAGGGGTGAGACGGGGTCAAGCAGAGTCATTGGTGAGCAAGCAAAGGT
GTAGACTGTTGAGTTCAGCCTTCTTGGACACCTTTTATGTGCCAGACAAAAGAAGGATC

24523 CCATCTCCCCCTCCCAAAGTGTGGGATTACAGGCATGAGCCACCCCTCCTGGCTGAGAC
TGCTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT
TCAGGGGTGAGACGGGGTCAAGCAGAGTCATTGGTGAGCAAGCAAAGGTGTAGACTGTTT
AGTTCAGCCTTCTTGGACACCTTTTATGTGCCAGACAAAAGAAGGATCAGCATATCAGG
TGCAGTAAATTATTGGGGTTATGTTGGTGTGTTTCCCAAATGTGTAGATTTATCCCTGGTA
[G,T]
TGTTAAATCTCATGATTTTATGAGTATATGGACAACCTATGTAAAAACATTTAATAGTT
TAATATTAAGTAGCATATCAAAACCTGTGACTTTGCTCAGCCTGTAATCCCAGCACTTT
GGGAGGCCAAGGCGGGAGGATGTTTTGGGCCAGGAGTTTGGAGCCAGCCTAGGTAACAT
GGTGAGACCTGTCTCTAAAACAAAACAAAACAAAACAAAACAAAACAAAATAAACAAA
TCCCCTGTAACCTGTTCTAACAATAACCTAAACAATTTTTTATTTAAAAATTAAATAAAAA

25268 GGATTGATTACAGGTGCACTCCACCATGCCAGCTAATTTTTGTATTTTTAGTAGAGACG
GGGTTTCAACATGTTGGCTAGGCTAGTCTTGAACCTGACCTGCAGTAGTCCACGTGCC
TTGGCCTCCCAAAGTGCTGGGATTACAAATCACAAATTTATAGAAAAGTTGCAAGTACCAT
GTAGTCAGGTTCTTAAGAGAAATGGAACCAAGTAGGAGATAGATATATAATCATCTCCTA
GGATTATAAGTTGACACATAAGACTAACCGTCACATACAGTATAAACAACTTTTTTTCTT
[G,A]
AACCATTTGATAGATACACACACACTGATATACATAGAATATATATACACACACACAGAA

FIGURE 3SSS

TGTATATACACATAGAATATATGTGCATACAGAATATATACAGAAATATATATGTACA
CATGCATAGAATATATTTACATATATATGCATATATATAATTTATTTTAAAGCAGTT
GATTTATACAGTTTTTGTGTTTTTTTTTTGAGACAGAGTCTCACTCTGTACCCAG
GCTAGAGTGCAGTGGCGAGATCTCAGCTCACTGCAACCTCTGCCCGGGTTCCAGTGAT

29374 AAGAAATGTTAAATGGTTACATAAGCTTTCCCTTTCTGACCCTTAACTGTGCTCTGTAGG
AGCATGGTGGGGATGTTTCTTTCTTTCTTTTCTTTTGGAGACCAGGTCTCACTTTGC
CACCCAGGCTGGAGTTCAGTGGCATGAACATGGCTCACTGCAGCCTCGACTTCCTGGGCT
CCAGCAAACCTCCACCTCAGCCTCCCGGGCATACACCACTGTGCCTGGCTAATTTTGT
ATTTTATAGTAGAGACGGGTTTTGCCATGTTGCCAGGCTGGTTTCAAGTCTGAGCTC
[A, G]
AGAGATCTTCTGCTTGGCCTTCCAAAGTGTGGGATTACAGGTGTGAGCCACCATGCC
CAGCTCCGGTGGGGATATTTCTATATCCACATGTGTATAGTTTACTTTATAAAATGGT
ATGTTACTCTGTGCTTGGCTCTCCAGCTTGTGTTGCCCTTACCAGTGTATCCAGACA
TCCTTTCTTCTTGTGCTAGTAAACGAGGTCTACTTTATTCTTTGAGCAGTGGCATAATTT
CCCTGATGTGTATATCATAGTTAGAGAATGCTAAAAATCATTTTGGGGCCTGTTTA

29795 ATGTTACTCTGTGCTTGGCTCTCCAGCTTGTGTTGCCCTTACCAGTGTATCCAGACA
TCCTTTCTTCTTGTGCTAGTAAACGAGGTCTACTTTATTCTTTGAGCAGTGGCATAATTT
CCCTGATGTGTATATCATAGTTAGAGAATGCTAAAATTCATTTTGGGGCCTGTTTA
GGTCTTGGGGATTAATTTCTAAATTTAAACAGTGTATCCTGGAAACAATTTTGTTC
CTGATTCAGCCCTTAAAGAGGACTATCATGTTACCTTGAATGGAGATAAACAGGCTCAC
[G, A]
TAAGAGAAAAGGGTAAGAGGGATGAACCTCCACTTATCTTAACTTCACTGGCCCGTTT
TTGGGAATTTGCTGCTTTTATTCTGACCTAAATAAATAAGTTTATGTGCTTGGTTT
CATATTAGTTGAGAACCCAGTGCCTGGAGAGAAGTTTCTTGTCTGAGTGAGGACA
TTCACATATGAATCTATTGGCAGACTGGCTTTGACTGACCAACAGTGCCTTCAACCAA
TGCCACAGCTCTTAGGTTTATGGCCTGAAACACCTTTCTTACATATTGCCTTAGAAAC

30861 CACTGCGCCTTTCTTTTCATTTTTTCTGAGATGGAGTCTTTCTCTGTACCAGGCTG
GAGTACAGTCATGCAATCTCAGCTCACTGCAACTCCACCTCCTGGGTTAAAGTGATTTCT
CTGTCTTAGCCTCCTGTGTAGCTGGGACTACAGGCGTGTGCCACTGTGCCAGCTAATT
TTTATATTTTTAGTAGAGACGGGTTTTGCCATGTGGGTTAGGCTGGTCTTGAACCTCG
ACCTCAGGTGATCCACCGTCTTGGCTCCCAAAGTGTGGGTTATAGGCGTGAGCCAC
[T, C]
GTGCCAGCCTCAGGCTTCTTTATTAAGAAGAAGTTCGGGCCAGGTGTGGTGGCTTACAC
CTGTAATCCCAGCAATTTGGGAGGCCGAGGTGGGCAGATCAGGAGTCAAGGATCGAGA
CCATCCTGGCTAACATGGTGAACCTCGTCTCTACTAAAAATATAAAAAATTAGGCAGGT
ATGGTGGCGGGTGCCTGTAGTCCCAGCTACTCGGAGGCTGAGGGAGGAGAACGGTGTGA
ACCTGGGAGGCGGAGCTTGCAGTGAGCCAGATTGTGCCAGTGCCTCAGCCTGGGTGA

32238 GGCTACTGCTCAGTAGCTTCAGGGAACCACTGCTTGCCTCCCCTGTGGCCAGTGAGGAT
GATCAGAGGAGTCCCAGCAGGAATGCCAAATGTAGTTTTCTTACATGTTGATGGGAGTG
CATTTGTTTCATGTCTAAACAGTTCTCAAATCACATCTTCAAGAGGGTACTATCTGGGCAC
TTTGATAATTTCTCACTTTGATGTACCGTTCTTATTACCATCACCTAGTTTGTATAG
TAGAAATAACTTTCTTTTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
[G, -]
TTTTGAGATGGAGTCTTGGCGTGTGGCCAGGCTGTAGTGCAGTGGCGTGTCTCGGCTC
ACTGCAACCTCTGCCTCCCGGTTCTCCTGCCTCAGCCTCCCGAGTAGTTGGGATTACAG
GCGTGTGACACCACGCTGGCTCATTTTTGTATTTTCACTAGAGATGGGGTTTACCACCT
TTGGCCAGGCTGGTCTTGAACCTCCTGACCTTGTATCCGCCACCTTGACCTCCCAAAGT
GCTGGGATTGCAGGTGTGAGCCACCACGCTGGCTTTTTTTTTTTTTTTTGTAGACAG

32242 ACTGCTCAGTAGCTTCAGGGAACCACTGCTTGCCTCCCCTGTGGCCAGTGAGGATGATC
AGAGGAGTCCCAGCAGGAATGCCAAATGTAGTTTTCTTACATGTTGATGGGAGTGCAAT
GTTTCATGTCTAAACAGTTCTCAAATCACATCTTCAAGAGGGTACTATCTGGGCACCTTG
ATAATTTCTCACTTTGATGTACCGTTCTTATTACCATCACCTAGTTTGTATAGTAGA
ATAAATTTCTTTTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
[T, -]
GAGATGGAGTCTTGGCGTGTGGCCAGGCTGTAGTGCAGTGGCGTGTCTCGGCTCACTG
CAACCTCTGCCTCCCGGTTCTCCTGCCTCAGCCTCCCGAGTAGTTGGGATTACAGGCGT
GTGACACCACGCTGGCTCATTTTTGTATTTTCACTAGAGATGGGGTTTACCACCTTGG
CCAGGCTGGTCTTGAACCTCCTGACCTTGTATCCGCCACCTTGACCTCCCAAAGTGTG
GGATTGAGGTGTGAGCCACCACGCTGGCTTTTTTTTTTTTTTTTTTGTAGACAGATC

FIGURE 3TTT

37658 GACAGTGAGACATGTGCTGTTTTGATCTCTCAGCTAAGATTATCTGATTTTTCAGGCATG
TCTCAAACTCACCAGGCCTGCTCACATGCTGCTCTGAAGCCAGGGTTTGAAACC
AGCTGCCCATCAGAAATGAGGCTGTGACTTAGAATATTGGTTCTGTTTTATTACCATTC
TTGTTTGGTCTCTCCAGAGTCACTGGCCTTTCCGCTTCAATTTCTTATCGGTGAAATG
AGATATTAATTCCTCTTATTGACTTCAATTCAATTGCTGAGTGATTGTTGCCTTTGGGA
[A, G]
GTTCTTTGAGTTTTCTGTGCCTTTGAAATAGTTGTTTTTTTTTATTCTGGTGTTTTGAGG
CATGTTTCAAGTGAGTGCAATTTACACTTCTACCATTTTAGGAGCCACAATTCAGTTATGT
TGTCCAGCTTGCTTGGCCCCATCCCCAGAGTTTCTGATTCACTAGGTCTGGGGTGGGGC
CCAATAATTTGCATTTCTTCTTTTTTTCGAGACAGAGTCTGACTGTGTCAATCAAGCT
GGAGTGAGTGGCAGATCGTAGCTCATTGTAGCCTCAAACCTCTGGGCTCAAGCCGTCC

37749 GCTGCTTCTGAAGCCAGGGTTTGAAACCAGCTGCCCATCAGAATGAGGCTGTGACTTAG
AATATTGGTTCTTGTATTATTACCATTCCTTGTGGTCTCTCCAGAGTCACTGGCCTTT
TCCGCTTCAATTTCTTATCGGTGAAATGAGATATTAATTCCTCTTATTGACTTCAATTC
AATTGCTGAGTGATTGTTGCCTTTGGGAAGTTCTTTGAGTTTTCTGTGCCTTTGAAATA
GTTGTTTTTTTTTATTCTGGTGTTTTGAGGCATGTTCAAGTGAGTGCAATTTACACTTCT
[A, G]
CCATTTTAGGAGCCACAATTCAGTTATGTTGTCCAGCTTGCTTGGCCCCATCCCCAGAG
TTTCTGATTCACTAGGTCTGGGGTGGGGCCCAATAATTTGCATTTCTTCTTTTTTCG
AGACAGAGTCTGACTGTGTCAATCAAGCTGGAGTGAGTGCCACGATCGTAGCTCATTGT
AGCCTCAAACCTCTGGGCTCAAGCCGTCTCCACCTCACCTCCTGAGTAGCTGGGACT
ATAGGCATATACTACCATGCCCCTGCCACCTTTTAATTTTTTTGTAAGGATGGGGGTCTCA

39924 GCTGGGCTAGCTGCCTCTGAATCACCAGTAGCTCCTTTTACTATAGATTCTGGGTCC
CACCATGGAATGTGATCCATGAAGTCTGGGGTTATTCCTGGAATCCTTTAAGCTCCCT
AAGTGGTTGGGATGGGAAAGAGATATGCTTTATGTTACTATACTTCTTATTATTATT
TAAAAATTCTTCCGGGCGCAGTGGCTCACACCTGTAATCCAGCACATTGGGAGACCGA
GGCGGGTGGATCACTTGAGGTCAAGGATTCGAGACTGGCCTGGCCAAACATGATGAAATCC
[C, T]
GTCTCTACTAAAAATACAAAAATTAGCTGGGCATGGTGGCGCATGACTGTAGTCCCAGCC
ACTCCGGAGGCTGAGGCAGGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTGAGCC
GAGATCGTGGCACTGCACTCCAGCCTGGGTAAACAGAGTGAGACTTCATCTCAAAAAAAC
CAAAAAAACAACTCTTTTTCATTATACCGGAACGTGAGCTTTATGGAGTCGGGGATT
TTTTCTGTTTTATTCACTGCTGTTTCCCTAACATCTAGAATAGTGGCTGGCACGATAGGC

55645 CCTTATAGTCACTCACTCATTCAATCATTCAATAACGAGTGCGTTATCATACCAGGTACT
GTTAGGTAGCAGGTTTACAGGGATGAGCAGAAGAAGCAGGCCCTCTCTGCCTTCTTTCTT
TTTCATCACTGAAATCACAGCGCATTGTGTGTGTGCAAAAGTAGAGTGCAAGGGAAC
ATGCAGAAAGGAGTTATAGGATAGAAAAGGTAGCCAAGGAAAGCAGCAAGAACAGCATGA
TTTGTTTCAAGGATCTTTAAATAGCTCATCATTGTTGGACAGCAAAGGGAGAGATGGGGAA
[C, T]
GTGGCAAGATGAGATGAGAAGGGGAGCCGGGTCAAGCCATGGAGGACGCTGAACCCCTA
CAAAGGAACTAAGCCTATTGATGTGAACAGGCCACTTATTTTGGGAACACGCCTTTGGTC
CAAAGGGAAGAGGGCACGAACTTCTTCTTAAAAAACAAAAAAGAACTTGCATA
TATGAGAAATACTTTCTTCACTTTCAGCATGAGAAACGGAATCCCTACTAAGGAAATAA
TTCTCTTATTTTTTTTGAACAGCGGTTTTTGAATTTCCAGATGACCCCAAAGTGAGCA

57539 TAATCTTCTGAATAAGCAGTTAATTTTTTTTATTTCATGAACCTGCTGATCATGTCTAAG
AATGTATCTCCACTTAAGTAAGTCAGTGAATGGTGATTACCTGAGTAGAGTTAAAGTAGT
CCCCACCCTCCTATCTGTGGCACATATGTTCCAAGTCTCCAGTGAGTGTTGAAACTG
ATGATAGTACTGAAACCATCTACCTTTTTTCTGTGCATACATACCTATGTTATATAAA
GCTTAACCTATAAATTAGGCATAATATTTTACTCCAGCTCCAGTGATGAGTGCTGCTG
[A, C]
AGACTCACAAAATGTATTTGCTTTAAAAAATCTTTTTTTTTTTTTTGGAGCGGAGTTTT
GCTCTTGTGGCCAGGCTGGAGTGAGTGCTGGTGGGACCTCAGCTCACTGCAACCTCCGCCT
CTTGGGTTCAAGCGATTCTCTGCCTCAGCCTCCCAAGTAGCTGGGATTATAGGCATGCA
CCACCACACCCAGCTAATTTTCTATTTTTCGTAGAAACGGTTTTTCCATGTTGGTCAGGC
TGATCTTGAACCTCCTGACCTCAGGTGATCTGCCTGCCTCGGCCCTTCAAAGTGCTGGGAT

58604 TCTTTTTATATTTATTTATTTATTTTTTGGAGACACAGTCTTCCCGTCGCCCAGGCTGGA
GTGTGGTGGCAGCATCTCGGCTCACTGCAACCTCCGCCTCCTGGGTTCAAGTGATTCTTC
TGCTCAGCCTCCGAGTAGCTGGGACACAGGTGTGCGCCACCATGCCCGGCTACTTTT
GTATTTTCACTAGAGACAGGGTTTACCATGTTGGTCAGGCTGATCTCAAGCTCCTGACC

FIGURE 3UUU

TCAGGTGATCTGCCTACCTTAGCCTCCCAAAGTGCTGGGATTACAGACATGAGCCACCGC
[C,G,A]
CCCAGCCCCAGTGTTAACTCTTACATAACAGTGTCACTGTCTAAGTGTGAAAACTA
TTTGTCAAAACTAATATTGGTACATTATTGTTAACTACACTTCAGACTTTTTTGGATT
TACCAATTCTCCCACTCATGTCCCTTTCTGTTTCAGGAATCAATCCGTGGTACCATATT
GCAGTTAGGGTGTATATTGATGGGACTGGTCTAGTTTATAGATACTTAGTGTAGCTCA
GCCAGCAGGTGGGATCTTCATGCCACCGAGGATTGGTATTGTGTTTTCTGGTGGTTTT
58861 CTTAGCCTCCCAAAGTGCTGGGATTACAGACATGAGCCACCGCAGCCAGCCCCAGTGTT
AACTCTTACATAACAGTGTCACTGTCTAAGTGTGAAAACTAATTTGTCAAAAACTAATA
TTGGTACATTATTGTTAACTACACTTCAGACTTTTTTGGATTTTACCAATTCTCCCACT
CATGTCCCTTTCTGTTTCAGGAATCAATCCGTGGTACCATATTGCAGTTAGGGTGTGTTA
TATTTGATGGGACTGGTCTAGTTTATAGATACTTAGTGTAGCTCAGCCAGCAGGTGGGATC
[T,G]
TCATGCCACCGAGGATTGGTATTGTGTTTTCTGGTGGTTTTATGGCATTTCGACTAT
GCAGAGAGGCATGGTATTAACCTTCAGTGTCTCCTAGCAAATTTCTGTTTTTACCAAC
CTCTGATCCCTGCATTATTTGCAATCAACTCAGAGATTTGTGATTGAAAAATTGCTTGA
CTCCATGCTCTTTAAGCTATTTCTAACTAGGTAACGTGAACATAAATTATGCTTTTATC
TAGCACTGTTTTTATAAACACATGTTGAGTGATTTTCATCAACCGAAATACTTCGAATC
59060 AGGAATCAATCCGTGGTACCATATTGCAGTTAGGGTGTGTTATTTGATGGGACTGGTCC
TAGTTTAGATACTTAGTGTAGCTCAGCCAGCAGGTGGGATCTTCATGCCACCGAGGATT
GGTATTGTGTTTTCTGGTGGTTTTATGGCATTTCGACTATGCAGAGAGGCATGGTATT
AACTTCAGTGTCTCCTAGCAAATTTCTGTTTTTACCAACCTCTGATCCCTGCATTAT
TTGCAATCAACTCAGAGATTTGTGATTGAAAAATTGCTTGACTCCATGCTCTTTAAGCT
[G,A]
TTTTCTAACTAGGTAACGTGAACATAAATTATGCTTTTATCTAGCACTGTTTTTATAAA
CACATGTTGAGTGATTTTCATCAACCGAAATACTTCGAATCATTAAAGTTTCCCAAGTTCA
TGGATGCTGCTTAAATGCCTGGTGGTTCAGGCTGTGCAATATTTCTGCCTTCTGCAATA
AGAGATTGTCCCTTGTGTTAAAGCAACATTAGCCTTTGTGCGGTTTACCCCCAATTCTTC
TTTTCTTGTTGTAACCAATGAAAGGAAGTACTGCTTAACACAGCAGGTAATAATCTTCT
59518 GAATATTTCTGCCTTCTGCAATAAGAGATTGTCCCTTGTGTTAAAGCAACATTAGCCTTTG
TGCGGTTTTACCCCCAATTCTTCTTTTTCTTGTTGTAACCAATGAAAGGAAGTACTGCTT
AACACAGCAGGTAATAATCTTCTAAACTCATTATCTCAAGAGGTGGTCTGGCAGGATA
TATAAATGCAATTTAAGAAAGGTCTTGGCAAATTTATGAATGACAGAACTGGGAGTGGCT
ACCGAGAGAACTAGGATGCGCTTTGCTTTGACACTGAGGTGAGCGTAGCTTCTGTAC
[C,A]
CTCCTGGGTCTGCCTCTTGGGGTGTCTGCAGGCAGCACCCCATGAACCAGGCATCTGAC
CCAGTTCCAGGATACTTATTCTTCCAGCAAGTCGAACACTCTGTGATGAGTGACTGCCAT
GCTCATGGGTACCAAGGCTCTCATTATTCTGTTTCATTTCCAGCCTCCCACAAGATTGGT
TTTTAGCTGCTTATTATTATCATTATTTCAAGGCTGCTTTCCAAGTTTCAGTGGG
GGGTTTCTAAGCGTACCAGCTGCCCTGGTGTGCAGTTCGGTGATGTTTCAGATGCTG
59802 GGCAGTACTTCTGTACCCTCCTGGGTCTGCCTCTTGGGGTGTCTGCAGGCAGCACCCCA
TGAACAGGCATCTGACCCAGTTCAGGATACTTATTCTTCCAGCAAGTCGAACACTCTG
TGATGAGTGACTGCCATGCTCATGGGTACCAAGGCTCTCATTATTCTGTTTCATTTCCAG
CCTCCCAAGATTGGTTTTTCAAGCTGCTTATTATTATTATCATTATTTCAAGGCTGCT
TTCCAAGTTTCAGTGGGGGGTTTTCTAAGCGTACCAGCTGCCCTGGTGTGCAGTTCGGG
[T,C]
GATGTTTCAGATGCTGGGCCGGATTCTGGCTGTACCCAGCCTGATCTTTCTGGGCTTCAG
GAAAGCTGAAGCCAATCAGAGCTCCTCTTTTCATGCCTTTGGGATTATGCTTACCTTGCCT
GGCATCGTGACCTGCTCCCATCCATGGGAAAGTTTTGCTGTCTGGTACTGTCTTCTATC
AACATCTTTAAGATATCTTCCCCGAGGCATCGTGATGTCAACGGAACAGCACACTTG
TACGTTTTATGCAAGACTGCCATATCTCAACAGTGAGAAATGCATAATGGAAGTGGTGAT
60083 CCTGGTTGTGCAGTTCGGTGATGTTTCAGATGCTGGGCCGGATTCTGGCTGTACCCAGC
CTGATCTTTCTGGGCTTCAGGAAAGCTGAAGCCAATCAGAGCTCCTCTTTTCATGCCTTTG
GGATTATGCTTACCTTGCCTGGCATCGTGATCTGCTCCCATCCATGGGAAAGTTTTGCT
GTCTGGTACTGTCTTCTATCAACATCTTTAAGATATCTTCCCCGAGGCATCGTGATGT
CAACGGAACAGCACACTTGTACGTTTTATGCAAGACTGCCATATCTCAACAGTGAGAAA
[T,G]
GCATAATGGAAGTGGTGATCACGGATTATTTCTAGGACATTATGGCTAATGCGCTAGAG
AACTCGGATGGTCTGTTGCGTCTGACATGGGCTTTTTCTCTTGAGTTGTCTTTCTTTTGC
TATTCTCTGAAAGAAACAATTCTTGCCACATGATCCTGATTTTTCAGGTCCTCAGCATT

FIGURE 3VVV

GTTAGCAGAAAGTACACTTTGTTTCCATCCGGCAGTGACTCAGTGGTGGTCCCATGCTGA
TGAAACGCTGAGATAGTCTTCTTCCAAATAGGTATCGTTTTGATTGTTGCTGCTTATTTG

60525 CTTGCCACATGATCCTGATTTTTTCAGGTCTCAGCATTGTGTTAGCAGAAAGTACACTTTG
TTTCCATCCGGCAGTGACTCAGTGGTGGTCCCATGCTGATGAAACGCTGAGATAGTCTTC
TTCCAAATAGGTATCGTTTTGATTGTTGCTGCTTATTTGCTAGCTGGCCCTCAATAGTGA
CAATGAAACCTCAAGTGATAATATGGTTGCTCAGTAATCCTGAGGGAAGACAGTCTTTG
GTTTGGGGGATAGGGATTCTGTGCCTACTTAGCTTCAGGTGAAAGTCTTACAAATTTTTG
[T,C]
GTGTAGAAATAAGCACCATGTACCTCCTTGGGTTTTTCTTTTTTTCTAGTCCTTTAG
TATGGTCAACAATATTGTTTAGGGAGTACCTATTCTGTGCTAACCCTAGGCATTCAAGT
ATATTACACTATGCTCCTTCAAAACACTTCTGTCAAATGTAAGGATTATTATACCCATT
TACAGATGTGGTTACTGTGGTAACCTTGCCCAAGGTATAGGGCAAGTGAATAAGGGATT
TGGATTGGGTGGAGTCTGTGTGATTCCAAAGCCCATGCTCTTCTACAATACTATATA

61078 GAGGTCTGTGTGATTCCAAAGCCCATGCTCTTCTACAATACTATATATGCCTTTGCATA
AGTTATTGTTATTAGTAATAATATTTGTGATGATGGCAAATAATAAACCATGTCACACTA
GAGAGTGATTTAATCTCTAGGTCTATTTAAGAACATTTGGAATTGCAGGAATTGGATTT
TTTTTTTTTTAAGTGATGGAGTCTTGCCATCTTTGCCCAGGCTGGTCTCAAACCTGTGG
GCTCAAGTGATCATCCTCCCTCTGCCTCCCAAAGTGATGGGATTACAGATATGAGCCACC
[A,G]
TGCCACGCTAGAAATTCAGGAATTTTTGAATTGATGATTCTTCTGATATTTGAATTT
TACAGTATGTTAAGTGCAATGTCAGGTGCTGGTGTGCTGGCTCCATTGATGAACACATTT
GGGTATGGCCCTACCTTCATTGAATTTAGAGTCTAAGAGCCTAACCAGTCTTTTGCTTGA
ATAGAGCTGTAGTCTGTAAATTTGCTGTACCTCCAAATGGTGGGAAGTTTAATGCTTCG
TAGGCCTCCCCTCACTAGTTTACTGAACCACATGTGCTTGATTTTTTTTTGAGATGGGGT

63026 TATTACCATGCCATTTATTGAGTGCCTAGTATGTGCCAGGAGCTCTGCAAAGTGCTTTAT
GCTTATTATTGTTCCATTTATTCTTCCCCAAACCTCTGTGAGGCAGGTCTATCACTAGT
CCACAATACAAATGAGGTCTAGGAGCCGAAGTTGGCAGTGGTAGGAATCAAACCTCAGT
CTCCCTGACTCTAAATTTCTCTTTGCCTTTGTTTTTTGAAAAAGTGGTATAGCCCATAGC
AGAAAATTCACATTATACAGAAGTTATACGGCGAAAAATGCCTCCTTCCCACCCACGCG
[T,C]
CAACCCCTCTCCCTCAAGCGAACCCTATTGTGAGTTTCTCATAGAACTTTCCAGAATAT
TCTATGCTCCTATAACACTAGCACAACTATCCTCTTAACAACATCTTTATGCTGCCTCC
CAAGAATTGAGTAATTTTTTTTTTTTTGAGATGGAGTTTTGCTCTAGTTGCCCAGGCTGG
AGTGAATGGCGTGATCTCGGCTCATTGCAACCTCTGCCTCCCACGTTCAAGTGATTCTC
TTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGCATGCGCCACTATGCTTGCTAATTT

63231 CTTTGTTTTTTTGAAAAAGTGGTATAGCCCATAGCAGAAATTCACATTATACAGAAGGT
TATACGGCGAAAAATGCCTCCTTCCCCACCCACGCTCAACCCCTCTCCCTCAAGCGAACC
ACTATTGTGAGTTTCTCATAGAACTTTCCAGAATATTCTATGCTCCTATAACACTAGCAC
AACCTATCCTCTTAACAACATCTTTATGCTGCCTCCCAAGAATTGAGTAATTTTTTTTTT
TTTGAGATGGAGTTTGTCTAGTTGCCCAGGCTGGAGTGCAATGGCGTGATCTCGGCTC
[G,A]
TTGCAACCTCTGCCTCCACGTTCAAGTGATTCTCTTGCTCAGCCTCCCGAGTAGCTGG
GATTACAGGCATGCGCCACTATGCTTGGCTAATTTTGTATTTTAGTAGAGATGGGGTTT
CTCCATGTTGGTCAGGCTGGTCTTGAACCTCCCAACCTCAGGTAATCCGCCACCTCGGCC
TCCCAAAGTGTTGAGATTACAGGCGTGAGCCACCGCACCTGGCCAAATTGAGTAATTTT
ATTGGCAGGTATTTTCCGCATCATTGAAATGAATGAAGCAATCTTATACTTCATTCA

65298 GAGCCCTGAGGAATTTACCACTGGGTTTCCCATAAATGAGACCCCTGTGACCTGGTGG
GCCCATCCCTCGGAAGTGTAACCTGGCATTTCCATAGGACTGCTTCTTCTGGGCCTCT
TAGTGCAAGCCAGCAGTGCAATGCCACATCCAAGTTTGGTAAATCAATTCTAAGTGAGAT
AAATTAATGCCTTTTTTGGGGGAAGATGGGAAACAGAGTGGGTTTGTGGAGAGCCATA
AATTGGAGTCTTCAACCCTTAAATTTCTCACTTGCGGGAAACCTTTACAACCAAGCAAA
[C,T]
GTGGAATGATTTGGCCAAAGATTCAAATTTATATTAACATCTGGGACTATATTAGCA
GCCAATTTCTAATCAATTTCTATGAGTGTGGTGATTGCAGTTATGCTCATTTTCTGAGGG
TGAAGTTTGGATAGAACTAAAAAGGGCGGTTGGCAGGAATCAAAGAGATGAAAGCCTCA
GGACAAAGAGTTAGAGGCCAGGTGGTTCTGACTGAGAGTTTGGAAATGATTTCTGGTG
TCTCACTTCAGAGAAAAATAATATAGCCAACCTCTGTTCTCCGTGGTGATGGAACATTCA

66172 GTGTTCCGGTTGGTTGAGTGCCTGCTATGCCTGTGCCTAGGCAGTAAAAGGGGAAGTTTTA
AGTTTGGCCCTTACTTTCAAGACATAGTAATTCTACCTTCTAGTAAACATGGCCAAATA

FIGURE 3WWW

AATGTCTGCTTTTCATGAGCCAGATAACCTCCTTCTTCTTTATTGGAGGAGTGAGTAGAA
GGGTGAGACTAGCCGGGTGCGATGTCTCCAACCTGGGCGAAAGAGCAAGACTCCATCTCA
AAAAAAAAAAAAAAAAAATTAAGAATAAATCTTTTCACTGTTGGAGAAAAGTTTTGAGAGGC
[C,T]
GAGGTGAGAGGATCACTTGAGGCCAGGAGTTTGAGACTAGCCTGGGCAACATAGCAAGAC
CCCTGTCTCTATCAAAAAAATAATAATAAAAAAAGCTAGCTGGGTATGGTGGTGTGCACCT
GTAATCCCAGCTACTTGGGAGGCTGAGGTGGGAGGATTGCTTGAGCCCAGGAGTTCAAGC
TTATAGTGAACATGATTGCACCCCTGCACTCCCTCCTGGGCATCAGAGTGAGACACTGT
CTCTAAAAAAAAAAGTTGGAGAAAAGGATACTAAAGAGATAAAAGGGTACTAAAGAGAT

66244 ACTTTCAAGACATAGTAATTCTACCTTCTAGTAAAACATGGCCAAATAAATGTCTGCTTT
TCATGAGCCAGATAACCTCCTTCTTCTTTATTGGAGGAGTGAGTAGAAGGGTGAGACTAG
CCGGGTGCGATGTCTCCAACCTGGGCGAAAGAGCAAGACTCCATCTCAAAAAAAAAAAAA
AAAAATAAGAATAAATCTTTTCACTGTTGGAGAAAAGTTTTGAGAGGCCGAGGTGAGAGG
ATCACTTGAGGCCAGGAGTTTGAGACTAGCCTGGGCAACATAGCAAGACCCCTGTCTCTA
[T,C]
CAAAAAATAATAATAAAAAAAGCTAGCTGGGTATGGTGGTGTGCACCTGTAATCCCAGCT
ACTTGGGAGGCTGAGGTGGGAGGATTGCTTGAGCCCAGGAGTTCAAGCTTATAGTGAAC
ATGATTGCACCCCTGCACTCCCTCCTGGGCATCAGAGTGAGACACTGTCTCTAAAAAAAA
AAAGTTGGAGAAAAGGATACTAAAGAGATAAAAGGGTACTAAAGAGATCGGGAAGGCAGC
AAAGAATGAATCTAGTCTGATGTGTTATTGGGTGTACGTAATTCATGGCGGAAGGTGCTG

66700 AGTGAGACACTGTCTCTAAAAAAAAAAGTTGGAGAAAAGGATACTAAAGAGATAAAAGG
GTACTAAAGAGATCGGGAAGGCAGCAAGAATGAATCTAGTCTGATGTGTTATTGGGTGT
ACGTAATTCTATGGCGGAAGGTGCTGAAAGGGAAGGTTGCCTGGGCTACAGCAAGCAGGT
GCTGATGAACCTAGCTCCTTTGCTATTACTTAAATGTGTCCTGGTTGGGCCAGATGTGGTG
GCTCACACCTGTAATCCCAGCACTTTGGGAGGCCAAGGCGGACGGATCACTTGAGGTGAG
[G,A]
AGTTCGAGACCAGCCTGGCCAACATGGTAAAACCCCGTCTCTACTAAAAATACAAAAAAA
GTATCCAGGCATGGTGCGAGGTGCTTGAATCCCAGCTACTTGGGAGGCTGAAGCATGAG
AATTCCTTGAACCCGGGAGGTGGAGGTTGCACTGAGCCGAGATCATGCCACTGCACTTCC
AACCTGGGCAAAAGAGCAAGACTGAGTTCTCAAAAAAAAAAAAAAAAAAATTCCTGGGG
AATATCCACCAGGTGAAAAATTGGGTATATCCAAATTCAGCTTTGCAAAGAAATGCACT

67029 AAAACCCCGTCTCTACTAAAAATACAAAAAAGTATCCAGGCATGGTGGCAGGTGCTTGT
AATCCCAGCTACTTGGGAGGCTGAAGCATGAGAATTCCTTGAACCCGGGAGGTGGAGGTT
GCAGTGAGCCGAGATCATGCCACTGCACTTCCAACCTGGGCAAAAGAGCAAGACTGAGTT
CTCAAAAAAAAAAAAAAAAAAATTCCTGGGGAATATCCACCAGGGTGAAAAATTGGGTA
TATCCAAATTCAGCTTTGCAAAGAAATGCACTCATGACTAGTTGCAATTTGAAACGTTCC
[G,T]
CTTCTGAGTATTTCTAGCCTATGTAGGTGTTTCACAGATTGCTGAGTACCTAGACTGAGA
GGGAGAGAAAAAAACAAAGTAAAGCTAAAAATGTTAAGAAGTCTGGTTAAAGTGCAATCCA
GAAGTGAGGGAAAGCATCTCTAAAAGTATGAATCTTTGGGGAACATAACTTGATTACCA
AAAACTTAATATTAAGCAGCCTCATAGGAACATGGCTTTTGGGTATGGCGAGAGCCAGCT
AGAGCTCACATCTCCATTGAAATCCACCACCAGAGAGGTTATCTGCCTAGTTGTTGGCAG

67140 GTGGAGGTTGCACTGAGCCGAGATCATGCCACTGCACTTCCAACCTGGGCAAAAGAGCAA
GACTGAGTTCTCAAAAAAAAAAAAAAAAAAATTCCTGGGGAATATCCACCAGGGTGAAA
AATTGGGTATATCCAAATTCAGCTTTGCAAAGAAATGCACTCATGACTAGTTGCAATTTG
AAACGTTCTCTTCTGAGTATTTCTAGCCTATGTAGGTGTTTCACAGATTGCTGAGTACC
TAGACTGAGAGGGAGAGAAAAAAACAAAGTAAAGCTAAAATGTTAAGAAGTCTGGTTAAA
[A,G]
TGCAATCCAGAAGTGAGGGAAAGCATCTCTAAAAGTATGAATCTTTGGGGAACATAACT
TGATTACCAAAAACTTAATATTAAGCAGCCTCATAGGAACATGGCTTTTGGGTATGGCGA
GAGCCAGCTAGAGCTCACATCTCCATTGAAATCCACCACCAGAGAGGTTATCTGCCTAGT
TGTTGGCAGCCAGACCTGGCATTGTTTAGATTGATTGATGGAAGGCTACTTTGGGAATG
CTGGCTTCCTTATTCATTGACTTTAAAGACAGCATTGTAAAAATTGATCACCAGCCCAA

68038 GCCCAGGCTGGTCTTGAACCTCTAGACTGAAGTGATCCACCTGCTTTGGCCTCTAAAA
GCTGGGATTACAAGTGTTAGCCACCAGCCCGGTCTTGAACCTCGTATATACAGTGTGTT
GTGTGGGCAAGTCATGCCTGACCATTCTAGTGGGAGGGGAGAACTAGAGGGCTTGCC
TGAGGCTTTAGGCAATGTAATCTGTTCTCTTGGGATCAATTACTTATGCATATTTAGTAG
CCAGCTCTATTTGCTGATCACCTAATCTGTTCTCTCGTTCACTCCCATGAGACTTCGAT
[G,A]
TGGGATATCTTCCTCTTCTTCCATTGCAGCCTTTTCTCTCAGAGTTGTTCCCATGATAA

FIGURE 3XXX

GAAC TCCCATCAAATCTCTGCTCTAACATCAGTTGT CAGATTTTGCCACTTTTTTTTTT
TTTTTTTTCTGAGATGATGGAATCTCACTCTGCTGCCAGGCTGGAGGCAGTGCCACCA
TCTCGGCTCATTGCAACCTCTGTCTCCCGGTTTGAGGGATTCTCCTGCCTCAGCCTCCC
GAGTAGCTGAGATTACAGGAGCACCCACCACTCCAGGCTAATTTTTGTATTTTTTTT

69852 GGCTTTTCTAAAGTAGCACTTTTCCCCACTCCAGCCCATGAAGATACCTTTTAACCAGCT
CTTGAGATTAAATCCCCTCCGTGACACTTTCTGCAGGAACCTTGCAA
[G,A]
AAAGTACTGCATTCCCCACTGGCAAACTTGCCATCAGCCAGTTTATGTATTCTCTGCTT
TTCACCCCATATCTTGACCTCTGAACAACACATATTCTCTCTT

71083 CTTTGTCTCTGAAAGCCTTGATTCTGCTATCTATTTTATAACTGAAACAAAAACAAAAAC
AAAAACAAAAACAACTCAAGAAGTTACTTGTATAGCCTCTGCCACTAAGGAGACTGTG
TTCTGATGTTACCTCAAACAGGCTGATTTATTTAAATATTTAAAAATATATGGAATA
TTTTTTCTATTTTTTTTTTAGTGGCTTTTCCAGTGAACAATAGGTCTTACTATATGA
TTTCTTATTTGTCTTATAGTGAATGTGGTGGGTATGTGGCAGCTGGGGGAGCTGATGATT
[T,C]
ATAATACTGTATCAGAAATGATTAGTGTAGGTACTTATTAACATATTTCTCAGACAGAAC
AATCTTGACTTTTAAAACTCTTCATTTAATTCAAACATCAAGTACCCTGTTTGTGGCCT
GTGTTATGTTAGGTGCTCTCTTACAAGACCTATTTTCTTGCTATTTAATTATATATTTG
CTTAGCAAATATTTACTCTGCACCTACTAGGTACCTGGCACTGTGCTGTGTACTGAGGTG
CCATGTGTACCTCCATCAACATAGACTCAAGATCAATATGATTTTCAGTGAACATAAAATA

71098 CCTTGATTCTGCTATCTATTTTATAACTGAAACAAAAACAAAAACAAAAACAAAAACAA
CCTCAAGAAGTTACTTGTATAGCCTCTGCCACTAAGGAGACTGTGTTCTGATGTTACCTC
AAACAGGCTGATTTATTTAAATATTTAAAAATATATATGGAATATTTTTTTCTATTTT
TTTTTTAGTGGCTTTTCCAGTGAACAATAGGTCTTACTATATGATTTCTTATTTGTCT
TAGTGAATGTGGTGGGTATGTGGCAGCTGGGGGAGCTGATGATTTTATAACTGTATCA
[G,A]
AAATGATTAGTGTAGGTACTTATTAACATATTTCTCAGACAGAACAATCTTGACTTTTAA
AACCTCTTCATTTAATTCAAACATCAAGTACCCTGTTTGTGGCCTGTGTTATGTTAGGTG
CTCTCTTACAAGACCTATTTTCTTGCTATTTAATTATATATTTGCTTAGCAAATATTTA
CTCTGCACCTACTAGGTACCTGGCACTGTGCTGTGTACTGAGGTGCCATGTGTACCTCCA
TCAACATAGACTCAAGATCAATATGATTTTCAGTGAACATAAAATACCTTTATTGAAGCAA

71445 ATCTTGACTTTTAAACCTCTTCATTTAATTCAAACATCAAGTACCCTGTTTGTGGCCTG
TGTTATGTTAGGTGCTCTCTTACAAGACCTATTTTCTTGCTATTTAATTATATATTTGC
TTAGCAAATATTTACTCTGCACCTACTAGGTACCTGGCACTGTGCTGTGTACTGAGGTGC
CATGTGTACCTCCATCAACATAGACTCAAGATCAATATGATTTTCAGTGAACATAAAATAC
CTTTATTGAAGCAAAAAAAATCACATTTTGTAAAGATCAAAAAGAGACATTTTATATA
[A,C]
GGTACAAGAAATAGAAGAATTATATCCCAAGATATATGTGATAACATACTTGTTAGTTT
TTGGACGTGACCAGATTTTACACAATCCTTAAAAAATGCAGCAACCAGATTTTAAAGTAG
TTCTCTAATCTCTCTTCTGTGCCCATTAGATGTATATTGGATCTTCTCATTCTGTCTT
TGTCTTTTGACCTCTCATGTTTTCCGTCTCTTGTCTCTGTGTGTTGCATTGTACACAAA
TGCTTCTTGAACGTGGTGTGCACATGAATCACCTGGGGACCTTGTTACAACGTAGGTTCT

71981 ACAAATGCTTCTTGAACGTGGTGTGCACATGAATCACCTGGGGACCTTGTTACAACGTA
GGTTCTGATTCCATGGGTATGGGGCAGGGCCTGAGATTCTTAGAGAATTAAATCTAACC
AGCTCCTGAGTGGTGGTGATAATGCCAGTGTGTAGACCATAGCTTAAGTATCAAGGTTCT
ATGTGATTCCCTCAGATCTAACTGCTAGTTCATAAGTTTCTCTTCAGCTGTATCTAGTC
TGCTATTTAACATATTAGTGAATTTTTAACCTTAAATCAAGAACAAGACTTTTTATT
[C,A]
TGGAAGTTTCAGTTTGGTTCCCTTCAAATGTACCTGGTTCTTTTCAAAGTGTCTGTTCT
TTGATAAGAATTTCTACTAATTTACCTTGATAATAAAAAATTTGTTTCATGGCTCATTTTA
GATTGTTCTTTATCTGCAGTTTTTGGAGGGCTAATCTCCCATTTCTTGATCTGTTGT
TGCACCCGTAAGGTGTAGTTGTTGATTTTTACTTTTTAATTGTGAATTTATTTCTGGTAG
GGATTGGAAGGAGTTGTTGGGGTGGGGTGGGGTGGGGAGAAAATCCTGTGTGCCCTGG

72366 CCTTGATAATAAAAAATTTGTTTCATGGCTCATTTTAGATTGTTCTTTTATCTGCAGTTT
TGGAGGGCTAATCTCCCATTTCTTGATCTGTTGTTGCACCCGTAAGGTGTAGTTGTTG
ATTTTTACTTTTTAATTGTGAATTTATTTCTGGTAGGGATTGGAAGGAGGTTGTTGGGGT
GGGGGTGGGGTGGGGAGAAAATCCTGTGTGCCCTGGGTTGCAAAAACACCCCTACAAGT
GTTCTCCACTTGCATCTGCCAGTGCTCAAGGGCTCAGTGATCTGGACCAGTAGTCATG

FIGURE 3YYY

[T,A]
TAATTTCTTGAATTGTAACAGGATACTGTAAATGTGGACACTCTACCTGAGGTTACTGCT
TCTTTCTATCTGCTTTATTTCTTCCCACTGAAGGGCCCTGGACAAGGGTAAACATCTCA
TCACTTTCTGGGTGGCAGAATATTTCCAGTTCCCCACTTCTTTTTGGCTTAAGGCTGTG
GCTTTTTCTCTGCTGAATGTGGCCCTAAGAAGCCCTTCTTTCAAACCTTCTCTGTTGT
ACTTGACCGACTAGCTGTCTAGAGGTTTATATCCCTAGCTTTTAATCTTTGCTGTGAATA

73797 GGATTATTTTATTTAAACCTCCTAATAGTCCATTGAAATAGATATTGCCATGTTGAAAA
TGAGGTTTCAAGAGAGGTTAAGTGACTTACCCAGTGTACAGAACTAGTAAGTGGTGCAGCT
GGGATTTGAAGTGAATTCAGAACAAATTGCCATTAAACCACTTTGCTTCCATATTAGTAT
CATCTGCAATCTCTCTCCATAAATTTCTCAGTCTTTATCTGAGTTTCTTATTTTCAAG
AAGGAAAACTTCTGTTTTGATCCTATGAAATACAATTTCCATTAAAACTTTTTTTTTT
[T,-]
GCTATTAATAAGGTACCGGATAATTGAAACCAGACTGGATTTGAGCCTGTGTTGATGGA
AGTACACATGGGATGTGGGCTGAAGTGTCAATCTAATTTTTCTTCCATCAGCTAATTT
TTAAAGTATTAAGCAAGTAGATTCTGACACTAACAGGGAAGATTTAAATCTCTTGAGAG
ACTGGAGGTGTTAAATAATTTCTGGTAGTGACATTTTACATCTTAAATCTTCTCACT
CTCCACCTCATCTCAATGTACCTGAAGCTCTGGGAATGTTCTTTGTACTTCTCAGGAA

74416 CATCTCCTCTCCCTCCACATCCCTTCTGCTCCAATTACTTCCCAGCGCCACTTGGAT
GTTGTTGTATCGGGGAACCTTTGGAAACAGCCAGATTTTTTGGAGTCTGTAAGCAGAAAA
ACAGACTGCTTGTCTGCTCATATCTGGCACCCAGCTTTGTCCAGAAAAACGAGGAGTTAAAA
AGAAGTCTGGGCTGTGAAGGGCTGTGACAACTGTCTAGGGGGAGCTTAGCGAGCCCTG
GCGGCAGTGACTCATGCTGCTGTCTACTGGGATCAGCACTGGCCCTGGCAGGCAGGC
[G,A]
GCAGCCAGGTGGGGTTCCAGCCAGAGCACGCACGCACGGAGCCGGGAGCATGCAGCCTGC
ACTGCGGGGGATGTGATGCTCGGCTCTAACTCGCCTGGCTGGCCCGCCACGGACGCCTCA
GCTTGCAACCATGGTAACGTTTCTGGCGGGGGACACCCCGGGAGCCACCGCGATGGGC
AGCCTCCTGGTGACTGATGGACGAGTGTCCACCTCCCAGACCGAGAGCGCTTAGTAGGTC
GGAGGAAGTGGAGAGGATGTAACACGCCCCCAGCCGGGAGTGAAGCCCTGAGGAGGTAGG

74664 TGACTCATGCTGCTCTGTCTACTGGGATCAGCACTGGCCCTGGCAGGCAGGCGGCAGCCA
GGTGGGGTTCCAGCCAGAGCACGCACGCACGGAGCCGGGAGCATGCAGCCTGCACTGCGG
GGGATGTGATGCTCGGCTCTAATCGCCTGGCTGGCCCGCCACGGACGCCTCAGCTTGA
ACCATGGTAACGTTTCTGGCGGGGGACACCCCGGGAGCCACCGCGATGGGCAGCCTCC
TGGTGACTGATGGACGAGTGTCCACCTCCCAGACCGAGAGCGCTTAGTAGGTGCGAGGAA
[G,c]
TGGAGAGGATGTAACACGCCCCCAGCCGGGAGTGAAGCCCTGAGGAGGTAGGAGCCGCAT
ATGTCCATCCGTGCATTCCCACCGTCAGCGCGCAGGGGTGCTGTAGATCACCGGTAGGAA
CTTTATTTGGCTGGTGCTTCATTATGCTGATTAACTGCAGTGGATTTGATGGGCATGAT
TGCGCTGGGGAAGATGCATAATGAACTAAAAAAGTGGTTAATAAGATCTCGG
AGTCGACTTGTCCGGGTATGAATGAAGTAGACTGCAGTGGTATCCTAACAGGAGTTCAG

76330 ATCTAACCATCTATGTATCTGTCTCTCAAGTGGGTGGATGGGGGTTGCTATCTTGGCTGT
ATAAAGAATCCTAAAAACCTTGTCTCATAAGCTAGAGGTTTCTGATGGGTTAACTGAG
CTGCAAGTGGCTGAACCAAGCTCTAACAGAGAGATGGTGCTCGGCTCCTCTCCAAGTAT
GCTGCAAGATCAGGGATCTGGCAGCTGAGCCTCTCTGAGCTGGTGGAGCGCTGGCAGCCA
GAGAAAGCCCCGTTACTGTGAGCCACCAGGAGGGAGTGTGATGTAGCCGAGTCATTGATT
[T,c]
ACAGAAACTGGGCTTCATAGGGGGAAAAAACCAGGAGACTAGAAAAATGGAATATAAA
TATCACTGTAAACCTCTTGATCTGGTAGGTCTTTCTCCATTCTCATAAAAGCTATTGAAA
AATGCATTAAACAGAGCACTTGAATTAGAGGGTCGAGGCTTCCAGGAGCCTCCTGGAATT
TCTGTAAAATGCAGTAGCTTCTGTGGATGTGGGAGGTCAGTATCTTGCCTCATTCTCTCA
TGATACAATGACATTCTGTTTTAGAGGAGTGAGTCCCCAGAAGATCTTGACTGATGG

78181 TCTTGTTATGTGTTATTGCTATTGGACTTGGCTACTCTGCTGTAGGCAGCCCTGTGGGTG
ATACCTACAAGCATATTTTAGAAATTCATCCACCTGTTGGATGTAGATGACCCCTGGACA
TATCAGATTGTGATTAAATTAGAAATCTAATAAAAGAGAGGCACTGATGAAATTACTTAGC
AGCTCCTGCAGTTTTATTGACAAAATTTACTTGGAGAGAGGGGGAGACATTTTCTGGGGG
TACCACCTTTGCTGCCAGCGACCCTGTGTTTCTTCTGAGTTTCTTTTTCTTTTCTCACC
[A,g]
TTTTCAGCATCACAGGTTTTTATTTACACACATTGATTACCTGTGCTGTTACTATTCTT
CACACCACTGAGGAAATTGCAGATGCTGCTGTACTGTGCTAGGTAAATTGACCTCAGATT
TGTTACCAAGTGAATTGAATGAAATGTTAGAGGTGGAGCTGAATGAACGAGGAGTTTTTG
TGGAGAAATTGGCAGTGAGAATGATTTAAATCTGTGATAGCTCCTCGTTTTTGGGATC

FIGURE 3ZZZ

CTTATTTTGGGACCCCAGACTATTTTAAAGCCATTGAGTGCATCATTATTTTAGGCTGAG

78685 ATTTAAATTCTGTGATAGCTCCTCGTTTTTGGGATCCTTATTTTGGGACCCCAGACTAT
TTTTAAGCCATTGAGTGCATCATTATTTTAGGCTGAGCAAGAATCTTGATGACAGCGTTT
CAATGGCTGAGGCGTAGTGGGAGTTCCTTGCACTTGAGTTGGTGGGAGCTGGAGAGTTT
CTAGAGAACTAGGTTTGGTGTCTTTGGGGTGGGTTATGGTGAATTAGTCTTGGAGAG
TGAGTAGCTGTCTGATGCTTCTTTTCTTTTAAACCAGCAAGAGCCCAAACCAATCCCC
[C,A]
AGCTCTGAATGCCTGGCTGTTCTCTCAGCCTTTCTTTGCTTGAACCTGACAATAGTAGG
GTAGTAACAGGAAACAGCATGTTAAAGTTTTAAAAATAAAATAGATCTCAGCTCTTTTCC
TTCCCATTAGCAAGGGGTACATTTATTTAGGTTTTCTTCTAGATTGAGGCACTGCCTC
ATTTAAGTTCTTGGTGAAGCCATGCATTTCTGCAACCATAAGTATAAACTCTAGAACGG
GGGTGTCCAATCTTTTGGCTTCTTGGGCCACATGGGAAGAAGAAGATTGTCTTGAGGC

79926 TTACTAATACTAGTCCATGTATGTATAGTGTCTCTATACACACCAAGAGAATATGG
AAAGGACTCAGCAATGATTAGGTAGTCCAAAGTCATACCAGATTGGAAACCAAGCTTCCC
AGGCCCTGGGACTTTTCTGCTAGAGACACTTACGGTTCTGACCAACTACAAAGAGTTAA
TATGCAGTTGCCAAATACCTGTTGGTAAAGGTGGATGTTGGGGAGGAGTGGATTGGGGA
ACAGAACTAGAGGTCAGTCCCAGAAATGGGTACCTTCCCATCAAGTTGAACAAGTCAAA
[G,A]
CAGGTTATGTTGAAACAACTGAGAGAAAGTAAAGCAAACACCATTTGCTGCAGAATATCAT
GGTACAAATTGGACATCTTTGGGAGTTAGCGGAGTAAGGCAAAATCCAGTGAGGGACGCT
TAATGGGTAATGCCAATTCACAATCTTGTAAATTACATTGCTGATCTTCTTGGAAATG
TCTGTCCATTCCCCAAGTAGACTGTGATCTCAAGGCAAGGCTGGGTCTTATTCATCCTG
GTTTTCTGGAGCAGTAAATACTTGTGCTGGGACTGGGCTTATAAGCATACTAATGGAAA

80198 ACCTTCCCATCAAGTTGAACAAGTCAAAACAGGTTATGTTGAAACAACTGAGAGAAAGTA
AAGCAAACACCATTTGCTGCAGAATATCATGGTACAAATTGGACATCTTTGGGAGTTAGCG
GAGTAAGGCAAAATCCAGTGAGGGACGCTTAATGGGTAATGCCAATTCACAATCTTGT
AAATTACATTGCTGATCTTCTTGGAAATGTCTGTCCATTCCCCAAGTAGACTGTGATCT
CAAGGCAAGGCTGGGTCTTATTCATCCTGGTTTTCTGGAGCAGTAAATACTTGTGCTGG
[G,A]
ACTGGGCTTATAAGCATACTAATGGAAAGTAAATATTTGGGTTGGTTTTTAAAAAGAC
AGTGGATTTGGATCAGTGGAGAGGAAGGTAGAGGGAATTTAGGTGGGCAGGGTGCTAAC
AACAGCCCATCTTACAGGGCACCAACTGTGTTCTAGGCTGTGTTCCAACCACTTTACAC
AGATGAATTCATTTAAATTGCACAACCAGCCCAAGAGGAAGGTACCATTATTATCTCAT
TTTGGATGTGAGGAACTGAGGCGTGGGGAGATCAAACAACCTTGCCTAAAGTTATGTAGC

80540 GTTGGTTTTTAAAAAGACAGTGGATTTGGATCAGTGGAGAGGAAGGTAGAGGGAATTTT
AGGTGGGCAGGGTGCTAACACAGCCCATCTTACAGGGCACCAACTGTGTTCTAGGCTG
TGTTCCAACCACTTTACACAGATGAATTCATTTAAATTGCACAACCAGCCCAAGAGGAAG
GTACCATTAATTCTCATTTTGGATGTGAGGAACTGAGGCGTGGGGAGATCAAACAAC
TTGCCTAAAGTTATGTAGCTTTGAGTGGCTTAGCTGAGATTGAACCCTGTGGGTATAAA
[T,C]
GCCACAGATGGGAAATTTGTGTGGGGTACCCAGGTTCTGTGCTTGTAGAAAGTGAAGC
TATTTGTAGAGAATCAGGAATGATGAGTTGGGGCAGGGTGATGGGAGCTGACAGGCA
GGTCTAAATGCTGGGATTCATTTTCTGTCTGTGTTTATTGAGTAGGTAGACGGTATAG
CTCTTGGATTTCTCAGATTTTTCTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
TGCCCGCACATACATAAACCCACGCTATATACTTTCCCTGAATGTTCTTATTTC

81810 TTCTCTATTTAGACTGTGCGTGCCTGCCTTGACGCCCTGGCAGGACCATTCACCGCCTT
CTCATTTGTCTTAAAGATACCTTTAGGAAATCTAATCCAGACAATCCTAGCCAGTCCTG
AAGATTAGGCTCCAGAAGATCTGTCAAGTGTGTTTTTGTGCTGGCCTACACATGCTAATTT
GCATGGTTGCCTGGGATCCCTTAAGAAGACAGTCATTGACTAAATGGCGCTACATGTTCC
CAAGCTCTGCGCCAGTCTGGCAACTCTTCTTTGTCTACGTGAATTTCTCTAGTTCCTT
[C,T]
TGCTTTGCTTGTGTTCTCTCTCTGACCTCTCTCCGACAACTTCTGAAAGAAGAGCCT
GCACTCAACACCTCTTTTTTCCACCTCTTCAACAATACTGAAATGACTGTCTCAGAAGCC
GTTGATTGTACCTAACCAACCAATCTGGTGATTTCCATCTCACCACGTGATACCATTAAT
ACTACCTTTCTTCGAGACAACGTTCTACTTTCTTCTCTTCTGTATTATGGACACTTGGTT
TCCCTCCTACCTCTCTGACTGTCACTTCTCACTCTTTTGTGGCTGCCATCAGGCTCTTGCA

82211 AAATGACTGTCTCAGAAGCCGTTGATTGTACCTAACCAACCAATCTGGTGATTTCCATCT
CACCACGTGATACCATTAACTACTCTTTCTTCGAGACAACGTTCTACTTTCTTCTCTTC
TGTATTATGGACACTTGGTTTTCCCTCCTACCTCTCTGACTGTCACTTCTCACTCTTTTGTG

FIGURE 3AAAA

GCTGCCATCAGGCTCTTGCAATGTACGTACCATCTCCTCAAGTTCATCCTCAGTTATCT
TTCTAGTTGGTTCTTGGTGATCTCATTAGTTCCTTGACTTTAGTTCTTACCTCCCCATG
[G,A]
CCTCCTCCCATCGTACACTGTGTTCTCATCACCAGGATGTTTTACCAGTTTCTCACCAT
CCCATCCTCTGTTCCCTTCTACATAGACAGACCCACTCGCTCACTCAGTAAGCCACTAG
GTGCTAGTTTTGGCTTCTTATTTTATGTAAGAACTACCACCTTCCCTACCTTCTAGG
CAAGAAAGCTGAGTCATCGTAAATTCTTTCTGCCTCCCCGCCATCCCATCAGTTGCCA
ATTTCTCCAAGTGGTGCCTCTAGGATGCCATTGCATCCATACCCATCTTTCTTCTCAT

82304 GAGACAACGTTCTACTTTCTTCTCTTCTGTATTATGGACACTTGGTTTCCCTCCTACCTC
TCTGACTGTCAATCTCACTCTTTTGTGGCTGCCATCAGGCTCTTGCAATGTACGTACCAT
CTCCTCAAGTTCATCCTCAGTTATCTTCTAGTTGGTTCTTGGTGATCTCATTAGTTC
CTTGACTTTAGTTCTTACCTCCCCATGGCCTCCTCCCATCGTACACTGTGTTCTCATCA
CCAGGATGTTTTACCAGTTTCTCACCATCCCATCCTCTGTTCCCTTCTACATAGACAGA
[C,G]
CCACTCGCTCACTCAGTAAGCCACTAGGTGCTAGTTTTGGCTTCTTATTTTATGTAAGA
AACTACCACCTTCCCTACCTTCTAGGCAAGAAAGCTGAGTCATCGTAAATTCTTTCTG
CCTCCCCGCCATCCCATCAGTTGCCAATTTCTCCAAGTGGTGCCTCTAGGATGCCATT
GCATCCATACCCATCTTTCTTCTCATTTGGCACCCATCATGGACTCTTGCTTGGTCTGGT
GCAGTAGCCTCCTCAGTGATTCCCTTGCCTCTGGTTTTCTGGCTGTAATCCATTCTCCA

82452 TCTAGTTGGTTCTTGGTGATCTCATTAGTTCCTTGACTTTAGTTCTTACCTCCCCATGG
CCTCCTCCCATCGTACACTGTGTTCTCATCACCAGGATGTTTTACCAGTTTCTCACCAT
CCCATCCTCTGTTCCCTTCTACATAGACAGACCCACTCGCTCACTCAGTAAGCCACTAG
GTGCTAGTTTTGGCTTCTTATTTTATGTAAGAACTACCACCTTCCCTACCTTCTAGG
CAAGAAAGCTGAGTCATCGTAAATTCTTTCTGCCTCCCCGCCATCCCATCAGTTGCCA
[A,G]
TTTTCTCCAAGTGGTGCCTCTAGGATGCCACTTGCATCCATACCCATCTTTCTTCTCATT
GGCACCCATCATGGACTCTTGCTTGGTCTGGTGCACTAGCCTCCTCAGTGATTCCCTTGC
CTCTGGTTTTCTGGCTGTAATCCATTCTCCACAAAGGTGGAATTCTTCAAAGCATAG
GTTGGATGATGTCAATCACCGCTTACACCTTCAACAGCATCCAGTGTGCTCATAATTA
ATGGCTGCTCCTGAACCTGGTATTAGTCTTGGTATGCCAAGACCCAGCCTGCCGGCTC

82539 CATCACCAGGATGTTTTACCAGTTTCTCACCATCCCATCCTCTGTTCCCTTCTACATAG
ACAGACCCACTCGCTCACTCAGTAAGCCACTAGGTGCTAGTTTTGGCTTCTTATTTTAT
GTAAGAACTACCACCTTCCCTACCTTCTAGGCAAGAAAGCTGAGTCATCGTAAATTCT
TTTCTGCCTCCCCGCCATCCCATCAGTTGCCAATTTCTCCAAGTGGTGCCTCTAGGATG
CCACTTGCATCCATACCCATCTTTCTTCTCATTGGCACCCATCATGGACTCTTGCTTGG
[T,A]
CTGGTGCACTAGCCTCCTCAGTGATTCCCTTGCCTCTGGTTTTCTGGCTGTAATCCATT
CTCCACAAAGGTGGAATTCTTCAAAGCATAGGTGGATGATGTCAATCACCGGCTTAC
ACCTTCAACAGCATCCAGTGTGCTCATAATTAATGGCTGCTCTGAACCTGGTATTAG
TCTTGGTATGCCAAGACCCAGCCTGCCGGCTCATTTGTGTCTCCTCATCCCCCTACTGAA
TCATTCAATAGTGTGTCTGGCCAAGCTGTTCAAGGCTCATTAAAGGACAGGACCAGGTC

83079 ATCACTTCAATAGTGTGTCTGGCCAAGCTGTTCAAGGCTCATTAAAGGACAGGACCAGGT
CTTCTTCTTTTGCCTGAAACAGTGCCTTGCCCTGGCAGGTCTTCAATGAACATTTGTT
GAATTGAATTAGACTAAAATGGCCAGGATTATACCAATTCCTTCTGCACAGTGTAGACA
ACTGCTAATGGAACCTGTTTTCTGTAGAGCACTTCTTGTGTTCCAGAACTATGCGAGTA
CTTTATGTGCATTATCTCATTAAATCATCACAATCTCACTGTAACCTATGAGGTAGCTG
[A,G]
TATTATCCCCATTTTACAAATGAAGACACTGATTGAGGAAGATTAGATTATTTTCTGAG
GTTCTGAAGGTAGAAACACATCTAAGACTTGGAGCAATATCTGGTTGCCTCTAGACCACT
GTACTATCTACCCTGCCTCTAAGAGCCATGACTTTGCTAGATTATGCAGGAGTTATGGAC
TTGTCTAATAGTAAAGGTAAAAGAATTGGTTTTAATGAGAATCTACTCTTCTAGGTACTA
TTCTGAGTGCCTGACAAGCATTCTCATGTAGACCCAGCAATAACTCATTATTTTACAGAT

83350 AATCTCACTGTAACCTATGAGGTAGCTGATATTATCCCCATTTTACAAATGAAGACACT
GATTCAGGAAGATTAGATTATTTTCTGAGGTTCTGAAGGTAGAAACACATCTAAGACTT
GGAGCAATATCTGGTTGCCTCTAGACCACTGTACTATCTACCCTGCCTCTAAGAGCCATG
ACTTTGCTAGATTATGCAGGAGTTATGGACTTGTCTAATAGTAAAGGTAAAAGAATTGGT
TTTAAATGAGAATCTACTCTTCTAGGTACTATTCTGAGTGCCTGACAAGCATTCTCATGTA
[T,G]
ACCCAGCAATAACTCATTATTTTACAGATAGAGAAAATGATGATCATGATGCTTGGGTAA
CTTCTTAGGTTCACTCAGCTCACATCTGGCAGAGGGTGGTCAACTTTTCCAAGTTTTAAC

FIGURE 3BBBB

TTATTTATTTATTTATTTTGGAGACAGAGTCTCATTCTGTTGCCACGCTGGAGTACGGTG
ACACAATCTCAGCTTATTGCAACCTCCGCCTCCAGGTTCAAGCGATTCTTGTGCCTCAG
CCTCCCGTGTAGCTGGGATTACAGGTGCCTGCCACCACGCCAGCTAATTTTGTTTTTGT

83407 ACTGATTTCAGGAAGATTAGATTATTTTCTGAGGTTCTGAAGGTAGAAACACATCTAAGA
CTTGGAGCAATATCTGGTTGCCTCTAGACCACTGACTATCTACCCTGCCTCTAAGAGCC
ATGACTTTTGTAGATTATGCAAGGATTATGGACTTGTCTAATAGTAAAGGTAAAAGAATT
GGTTTTAATGAGAATCTACTCTTCTAGGTACTATTCTGAGTGCCTGACAAGCATTCTCAT
GTAGACCCAGCAATAACTCATTATTTTACAGATAGAGAAAATGATGATCATGATGCTTGG
[A, G]
TTACTTCTTAGGTTCACTCAGCTCACATCTGGCAGAGGGTGGTCAACTTTTCCAAGTTTT
AACTTATTTATTTATTTATTTTGGAGACAGAGTCTCATTCTGTTGCCACGCTGGAGTACG
GTGACACAATCTCAGCTTATTGCAACCTCCGCCTCCAGGTTCAAGCGATTCTTGTGCCT
CAGCCTCCCGTGTAGCTGGGATTACAGGTGCCTGCCACCACGCCAGCTAATTTTGT
TGTATTTTGTAGTAGGGCTGGGTTTACCATGTTGGCCAGGCCTGTCTTGAACCTCCTGAC

83434 CCTGAGGTTCTGAAGGTAGAAACACATCTAAGACTTGGAGCAATATCTGGTTGCCTCTAG
ACCACTGACTATCTACCCTGCCTCTAAGAGCCATGACTTTGCTAGATTATGCAGGAGTT
ATGGACTTGTCTAATAGTAAAGGTAAAAGAATTGGTTTTAATGAGAATCTACTCTTCTAG
GACTATTCTGAGTGCCTGACAAGCATTCTCATGTAGACCCAGCAATAACTCATTATTTT
ACAGATAGAGAAAATGATGATCATGATGCTTGGGTTACTTCTTAGGTTCACTCAGCTCAC
[G, A]
TCTGGCAGAGGGTGGTCAACTTTTCCAAGTTTTAACTTATTTATTTATTTTGGAGAC
AGAGTCTCATTCTGTTGCCACGCTGGAGTACGGTGACACAATCTCAGCTTATTGCAACC
TCCGCCTCCAGGTTCAAGCGATTCTTGTGCCTCAGCCTCCCGTGTAGCTGGGATTACAG
GTGCCTGCCACCACGCCAGCTAATTTTGTGTGTATTTTGTATTTTGTAGTAGGGCTGGGTTTCA
CCATGTTGGCCAGGCCTGTCTTGAACCTCCTGACCTCAAGTGATCTGCCAGCCTCGGCCTC

83527 ATGACTTTGCTAGATTATGCAGGAGTTATGGACTTGTCTAATAGTAAAGGTAAAAGAATT
GGTTTTAATGAGAATCTACTCTTCTAGGTACTATTCTGAGTGCCTGACAAGCATTCTCAT
GTAGACCCAGCAATAACTCATTATTTTACAGATAGAGAAAATGATGATCATGATGCTTGG
GTTACTTCTTAGGTTCACTCAGCTCACATCTGGCAGAGGGTGGTCAACTTTTCCAAGTTT
TAACCTATTTATTTATTTATTTTGGAGACAGAGTCTCATTCTGTTGCCACGCTGGAGTAC
[A, G]
GTGACACAATCTCAGCTTATTGCAACCTCCGCCTCCAGGTTCAAGCGATTCTTGTGCCT
CAGCCTCCCGTGTAGCTGGGATTACAGGTGCCTGCCACCACGCCAGCTAATTTTGT
TGTATTTTGTAGTAGGGCTGGGTTTACCATGTTGGCCAGGCCTGTCTTGAACCTCCTGAC
CTCAAGTGATCTGCCAGCCTCGGCCTCCCAAAGTGTTGTGATTACAGATGTGAGCCACCA
CGCCTGGCTCAACTTTTAACTTTAGAACTGATATAAACATGCCTATTTTGTGGGACTGA

83699 ATGCTTGGGTTACTTCTTAGGTTCACTCAGCTCACATCTGGCAGAGGGTGGTCAACTTTT
CCAAGTTTAACTTATTTATTTATTTATTTTGGAGACAGAGTCTCATTCTGTTGCCACGC
TGGAGTACGGTGACACAATCTCAGCTTATTGCAACCTCCGCCTCCAGGTTCAAGCGATT
CTTGTGCCTCAGCCTCCCGTGTAGCTGGGATTACAGGTGCCTGCCACCACGCCAGCTAA
TTTTGTTTTGTATTTTGTAGTAGGGCTGGGTTTACCATGTTGGCCAGGCCTGTCTTGA
[G, A]
CTCCTGACCTCAAGTGATCTGCCAGCCTCGGCCTCCCAAAGTGTTGTGATTACAGATGTG
AGCCACCACGCCTGGCTCAACTTTTAACTTTAGAACTGATATAAACATGCCTATTTT
GGGACTGACTGTAGCATACCCATTCAAAGTCCAGGCTTTGGAATCAGACAGACGTGGGCT
GAACTCAGGGTTTCACCCTTGCTTGTGTGTAATGAGACATTTCACTGCTTTCAGCCT
CAATCCCTCATCTGTAAAGTGGAAGGTGAAGGTGCCTATCTGATAGGTTTGCATGG

83729 CTCACATCTGGCAGAGGGTGGTCAACTTTTCCAAGTTTTAACTTATTTATTTATTTATTT
TGAGACAGAGTCTCATTCTGTTGCCACGCTGGAGTACGGTGACACAATCTCAGCTTATT
GCAACCTCCGCCTCCAGGTTCAAGCGATTCTTGTGCCTCAGCCTCCCGTGTAGCTGGGA
TTACAGGTGCCTGCCACCACGCCAGCTAATTTTGTGTGTATTTTGTAGTAGGGCTGG
GTTTCAACCATGTTGGCCAGGCCTGTCTTGAACCTCCTGACCTCAAGTGATCTGCCAGCCT
[A, G]
GCCTCCCAAAGTGTTGTGATTACAGATGTGAGCCACCACGCCTGGCTCAACTTTTAACTT
TAGAACTGATATAAACATGCCTATTTTGTGGGACTGACTGTAGCATACCCATTCAAAGT
CCAGGCTTTGGAATCAGACAGACGTGGGCTGAACTCAGGGTTTCACCCTTGCTTGTGT
GTGAATGAGACATTTCACTGCTTTCAGCCTCAATCCCTCATCTGTAAAGTGGAAGGTGT
AAGGTGCCTATCTGATAGGTTTGCATGGGGATATGAAGCACACTTAGTGTTGGTGCCA

84000 CTCCTGACCTCAAGTGATCTGCCAGCCTCGGCCTCCCAAAGTGTTGTGATTACAGATGTG

FIGURE 3CCCC

AGGCCACCACGCTGGCTCAACTTTTAACTTTTAGAAGTATGATATAAAACATGCCTATTTT
GGGACTGACTGTAGCATACCCATTCAAAGTCCAGGCTTTGGAATCAGACAGACGTGGGCT
GAATCAGGTTTTCACCCCTTGTCTGTTGTGTGAATGAGACATTTCACTGCTTTCAAGCT
CAATTCCTCATCTGTAAAGTGGAAAGTGAAGTGCCTATCTGATAGGTTTGCCATGG
[T, G]
GATATGAAGCACACTTAGTGTGTGGTGCCATGAGTAGAATGAGTGTTCATTTCATATTTGT
TAATGTTATTTAGTCCGAGGATGGGTATGGGTGCTTTGGACTCTTTTTCTCCCTGC
TTCCGCTTATAAAAGACATCTTGCTGGTTTCTGCCATTGAGAGAATCCAGCTCCACGTG
GGGGGCTGACAGATGTCCTAATATCTCCATCCAATTTTTACTCTGAATGGAGTCTGTG
ATGTATCACTTCAACCTGCATTTCTATAAAATGCTCTCCAGGCTTCTGGTAGGATCCAG

84034 CCAAAGTGTGTGATTACAGATGTGAGCCACCACGCTGGCTCAACTTTTAACTTTAGA
ACTGATATAAAACATGCCTATTTTTTTGGGACTGACTGTAGCATACCCATTCAAAGTCCAG
GCTTTGGAATCAGACAGACGTGGGCTGAATCAGGCTTTCACCCCTTGTCTGTTGTGTGA
ATGAGACATTTCACTGCTTTCAGCCTCAATTCCTCATCTGTAAAGTGGAAAGGTGTAAGG
TCGCTATCTGATAGGTTTGCCATGGGGATATGAAGCACACTTAGTGTGTGGTGCCATGAG
[C, T]
AGAATGAGTGTTCATTTCATATTTGTTAATGTTATTTAGGTCCGAGGATGGGTATGGGT
GCTTTGGACTCTTTTTCTCCCTGCTTCCGCTTATAAAGACATCTTGCTGGTTTCTGC
CCATTGAGAGAATCCAGCTCCACGTGGGGGGCTGACAGATGTCCTAATATCTCCATCCA
ATTTTTTACTCTGAATGGAGTCTGTGATGTATCACTTCAACCTGCATTTCTATAAAATG
CTCTCCAGGCTTCTGGTAGGATCCAGTGCCAGTGGGAAGTGTGCATGTTCCAGCCTAGA

84213 AATGAGACATTTCACTGCTTTCAGCCTCAATTCCTCATCTGTAAAGTGGAAAGGTGTAAG
GTCGCCTATCTGATAGGTTTGCCATGGGGATATGAAGCACACTTAGTGTGTGGTGCCATGA
GTAGAATGAGTGTTCATTTCATATTTGTTAATGTTATTTAGGTCCGAGGATGGGTATGGG
GTGCTTTGGACTCTTTTTCTCCCTGCTTCCGCTTATAAAGACATCTTGCTGGTTTCT
GCCATTGAGAGAATCCAGCTCCACGTGGGGGGCTGACAGATGTCCTAATATCTCCATC
[A, T]
AATTTTTTACTCTGAATGGAGTCTGTGATGTATCACTTCAACCTGCATTTCTATAAAAT
GCTCTCCAGGCTTCTGGTAGGATCCAGTGCCAGTGGGAAGTGTGCATGTTCCAGCCTAG
ATGTCACATGCTCCCACCCACCTGGAAGCACTTGGGTATCCCCTGGATGGGTAAGTCTG
TGTGTCAATTGTGCCATTCTGTCTCAGAACCAATGCTGGGCATCTCTACTTGCAAGGTGCT
GGAAGCTTTTTCATGCCAGCATACATGCAGCACACTTCTCATTTTGATTCTTTATCC

84803 TTCTTTATCCACGGTGACCTTTAAACTGGCTGCCTGGGGGCACAGAAGTACTAGCACA
CCTTCACTTATTTATTCATTCATTCATTCATTCATTCATCAACAATAATTTGT
TCTAGTCTTTAAGGCACAACCTGAGCAAGACAGGTAAAGTCTTTACTCTCAAGAAGCTA
GCATTTGGTGGGGAGAAACAAAGGAGAAATACTACTGTGCACATGTGAGGCAATTGCAG
ATGGTGGTCTGCAGAATTGGGATTGAGACTGCCTGGGGGTGCCACTTTAGACTGGGTCC
[A, G]
CAAGGAAAGGTTCTCTGAGCTGAGCATGAGTATTTGTTCAAGAAGGCTGAGTTGCATCCC
AAGGTGACACAGCTTTTAAGCCCACTGAGCAGCTCTGAGGTCTAGGGGCTGTTGAG
AACCTGGGATATAGCACTGACTATGAGACAAAAATCCCTGTCTTCATGGAGCTTACATGA
TGGGGGCAGATTCATTCATTCATTTGTTTATTAAATTCATTAATTATTAGCTATTTG
AGAGCCTACTATGTGCCAGCACTTTTAGGCACTGGAGAAGTAAACAGTGAATGCAAAGG

85027 TGTGAGGCAATTGCAGATGGTGGTCTGCAGAATTGGGATTGAGACTGCCTGGGGGTGGCC
ACTTTAGACTGGGTCCGCAAGGAAAGGTTCTCTGAGCTGAGCATGAGTATTTGTTCAAGA
AGGCTGAGTTGCATCCCAAGGCTGACACAGCTTTTAAGGCCCACTGAGCAGCTGAGGT
CCTAGGGGCTGTTGAGAACCTGGGATATAGCACTGACTATGAGACAAAAATCCCTGTCT
TCATGGAGCTTACATGATGGGGGCAGATTACATTCATTCATTTGTTTATTAAATTCATTA
[G, A]
TTCATTCAGCTATTTGAGAGCCTACTATGTGCCAAGCACTTTCTAGGCACTGGAGAAGTA
ACAGTGAATGCAAAGGAGCAAGCATCCCTGCCACACAGAGTGCATCTTCCAGAATATC
AATAAGGAGTCGGTTAGCAAAAAATAAGTGGGAAGAGTATCCAGAGAGAGGAAAAAGGC
CAAGGCCCTGAGGCTGCCACTAACCTATGGGTGCTCAATGAACAGAAGGCATGTTTGGG
TAGGGGTACTTAAGGATACAAAGGAACATGGTCTGAGCTGAGGTATCAGGGCCTTTA

85275 CTTACATGATGGGGGCAGATTACATTCATTCATTTGTTTATTAAATTCATTAATTATTC
AGCTATTTGAGAGCCTACTATGTGCCAAGCACTTTCTAGGCACTGGAGAAGTAAACAGTGA
ATGCAAAGGAGCAAGCATCCCTGCCACACAGAGTGCATTCCTCCAGAATATCAATAAGG
AGTCGGTTAGCAAAAAATAAGTGGGAAGAGTATTCAGAGAGAGGAAAAAGGCCAAAGGC
CCTGAGGCTGCCACTAACCTATGGGTGCTCAATGAACAGAAGGCATGTTTGGGTAGGGG
[A, T]

FIGURE 3DDDD

ACTTAAGGATACACAAGGAACATGGTCTGAGCTGAGGTCATCAGGGCCTTTAGGTATGGA
CTTTGCTCTAAATTGCACTGAGTAGGAAGCTTTTGCAGGATTTTGAATAGGGTCATGGAA
TATCTGGGTCTTATTTACAAAGTGTGCCTCTGACCATTGTGTGGAGGGTGGATAGTGAG
GGACAAGAGTTGGATCCAGGGAGGTAAGTGTGGTTATTGCAGTCATCCAGGTGAGAGGC
AATGAAATTAACCTGCAAAGTGAGGCACTGGCTTAGAGGTGGGAACTGAATTAATAATCA

87009 GCTTGATGCTTAAGCACGAACCTTAATCATCGCAGTAGTGATTAAAGAGTATTCAACATGT
ACACTTGCTTGTAGGAAGGAGTACACATTGTATTCTCTTTTATGATATGCAATATTTTATTC
ATAGCCCTATTAAGTAATTTTTTTTAAACAAAGTTATATGGATTATTTACAGGTACATCAC
GGGAAAACCTGCATTTTATAATTTTCACTGAAATGTTGAGGTTACATGTAAAGCAATTTT
ATGTCATATCTGATACATTTTAAGAAAACATGTCTTCTGTTACAGCGGTAATGACCATG
[T, C]
CTGCTCTTTCTTCTGTGTCATATGCCATTATCCCTATTAATACTCTTTGGGCTTCTATAA
TTATAAAGCAGATGTGTATATCAGGGAGAGATGTTGATTTTCAAGTAAGTTTTTCTAGAA
AATAGAAGCTGGAAAAAAGGAAAAACCAAACTTGGCTTCGTGCTCGAAGAGACAGCAC
TGCTGTGTGTGGGCGGGTGGCTGCGTGCACCCGCTGCTCAGAAGTGCCTTTTCTCTCCAT
GGGGATAACTGGCTGTGTATCCGAGATGTGGCCAGGAGTAGGCAAGCAACGTGTGGGCA

87888 ACTGTATCTCACATGTTCCGCTCTCCCTTTCTCCATGACCTTGCCCCTCTGAGCCTCTG
TAGCACTTTTCTTGAGTGTGTCCAAGGCCATCTAGCTAAGAAGTAGCAGAAATGGGATTT
GAAGCCATGACTGTTTGGTGATAGAGCCTCAGCTTTGAACTGGGGTCTACTGCCTGGCA
CCCCTGCACAAATCATGGTAACGTGGTAGGAGAACATAGAGGTATAGGGCAAGCCCCTCC
TTAATGCCATGAATAATACCCATCTTATAGGATTGTGGGGAGGACTCAGTGAAGTAACCC
[G, A]
TGAAGCACTAAACACGTGCCTGACACGTGCTCAATAAATGAGCACTTGTCTGATGACAA
AGGTCGTGGCATTAAATCTCTCTCCTAGGTTGTTACTTCTTGAGGACAGGAATTGTGGC
TTCTTAATGGCCACTGCAGCAGAGTTTCTCAAGTTGGCACTATTGACATTTTGGGCTGG
ATAATTCTTGTGTGGGAGCTGTCTGTGGATTGTAGGATGTTGAGCAGCATCTTTGGCC
TCTACCCGCTACATATTAATAGCACCCCTAGTCATGAAAATAAAATGTCTAGACATTGGC

88136 ATGAATAATACCCATCTTATAGGATTGTGGGGAGGACTCAGTGAAGTAACCCGTGAAGCA
CTAAACACGTGCCTGACACGTGCTCAATAAATGAGCACTTGTCTGATGACAAAGGTGCT
GGCATTAAATCTCTCTCCTAGGTTGTTACTTCTTGAGGACAGGAATTGTGGCTTCTTA
ATGGCCACTGCAGCAGAGTTTCTCAAGTTGGCACTATTGACATTTTGGGCTGGATAATTC
TTGTTGTGGGAGCTGTCTGTGGATTGTAGGATGTTGAGCAGCATCTTTGGCCTCTACCC
[G, A]
CTACATATTAATAGCACCCCTAGTCATGAAAATAAAATGTCTAGACATTGCCAAACTGCC
CCTGTTGAGAACCCTGGTCTGCAGGTATCTCTCATGGGGATCACAGGGCTTTTATATTC
TCTTCTCTGTCTCTCTCTCCCTCTCTGGGTGTCTCTCTCTCACACACACGCTTAGA
GAAGGTGGTTAAAAAAATTTTGTGAAAGTTTGAAGATTTTGAAGATTTTGAAGATTTT
TGGAAGGCATTTTAAATGAACAGATAGACTCTGTCCCATTCATGGTCAACAGAAATTCAT

88231 CACTTGTCTGATGACAAAGGTGCTGGCATTAAATCTCTCTCCTAGGTTGTTACTTCTT
GAGGACAGGAATTGTGGCTTCTTAATGGCCACTGCAGCAGAGTTTCTCAAGTTGGCACT
ATTGACATTTTGGGCTGGATAATCTTGTGTGGGAGCTGTCTGTGGATTGTAGGATGT
TGAGCAGCATCTTTGGCCTCTACCCGCTACATATTAATAGCACCCCTAGTCATGAAAATA
AAATGTCTAGACATTGCCAAACTGCCCTGTTGAGAACCCTGGTCTGCAGGTATCTCTC
[G, A]
TGGGGATCACAGGGCTTTTATATTCTTCTCTGTCTCTCTCTCTCCCTCTCTGGGTGTCT
TCTCTCTCTCACACACACGCTTAGAGAAGGTGGTTAAAAAAATTTTGTGAAAGTTTGAG
AATTTTGAAGCAAAAGGAAAAATTTTGAAGGCATTTTAAATGAACAGATAGACTCTGTCC
CATTCATGGTCAACAGAAATTTATAATTAGATAGTTTGTGTTACTGCAACTCTGCACCCC
ATTGCCCATCATTTTAGAGTTCCAACAGTTAGAGGATTTTCTTGCAAACCTTTCTTAA

88482 CATTGCCAAACTGCCCTGTTGAGAACCCTGGTCTGCAGGTATCTCTCATGGGGATCAC
AGGGCTTTTATATTCTTCTCTGTCTCTCTCTCTCCCTCTCTGGGTGTCTCTCTCTCTC
ACACACACGCTTAGAGAAGGTGGTTAAAAAAATTTTGTGAAAGTTTGAAGATTTTGA
ACAAAGGAAAAATTTTGAAGGCATTTTAAATGAACAGATAGACTCTGTCCCATTCATGG
TCAACAGAAATTTATAATTAGATAGTTTGTGTTACTGCAACTCTGCACCCCATTCGCCATC
[A, G]
TTTTAGAGTTCCAACAGTTAGAGGATTTTCTTGCAAACCTTTCTTAAAGCAGTGATAG
TATCAGCTCTTTAAATAATACTATGCTTGATGAAGTGGTACTTTTTCGGGATAATTTGAGA
CCAGCCGACTTGCTGCTTGAAGAGGACAGGGCTATATTTGGTAATAATATATATGTGATA
ATATGTATGTAATATTATTATAATGTAATATACAATAATATTTGGTGAAGTGGTGACTC
TGAGGCCAGTCTTTGATCGAACCTCTCAAGCTATGATTTACATTATGGTCAATGTTAGCA

FIGURE 3EEEE

88608 ACGCTTAGAGAAGGTGGTTAAAAAAATTTTGTGGAAGTTTGAGAATTTTGAGAACAAAG
GAAAAATTTTGAAGGCATTTTAATGAACAGATAGACTCTGTCCCATTCCATGGTCAACA
GAATTTTCATAATTAGATAGTTTGTCTACTGCAACTCTGCACCCATTGCCCATCATTTTA
GAGTTCCAACCAGTTAGAGGATTTTCTTGCAAACTTTCTTAAAGCAGTGATAGTATCA
GCTCTTTAAATAACTATGCTTGATGAAGTGGTACTTTTCGGGATAATTTGAGACCAGC
[C,A]
GACTTGCTGCTTGAAGAGGACAGGGCTATATTTGGTAATAATATATATGTGATAATATGT
ATGTAATATTATTATAATGTAATATACAATAATATTTGGTGTAAGTGGTGAAGTCTGAGGC
CAGTCTTTGATCGAACCTCTCAAGCTATGATTTACATTATGGTCAATGTTAGCATAATGC
AATTATCAGCAATCACTTGCTGTTGCTTTGAAAGTCAGAAGGATGGCTAATAAAAAATCTT
AGAAAAAGAAAACAGGCTGGGCGCAGTGGCTCACCCCTGTAATCCCAGCACTTTGGGAGG

88866 TGCTTGATGAAGTGGTACTTTTCGGGATAATTTGAGACCAGCCGACTTGCTGCTTGAAGA
GGACAGGGCTATATTTGGTAATAATATATATGTGATAATATGTATGTAATATTATTATAA
TGTAATATACAATAATATTTGGTGTAAGTGGTGAAGTCTGAGGCCAGTCTTTGATCGAAC
TCTCAAGCTATGATTTACATTATGGTCAATGTTAGCATAATGCAATTATCAGCAATCACT
TGCTGTTGCTTTGAAAGTCAGAAGGATGGCTAATAAAAAATCTTAGAAAAAGAAAACAGGC
[T,C]
GGGCGCAGTGGCTCACCCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCAGATCAT
GAGGTCAGGAGATCGAGACCATCCTGGCCAACATGGTGAAACCCCATCTGTACTAGAATA
CAAAAAAATTTGCTGGGCGTGGTGGCGTGGCGCTGTAGTCCCAGCTACTCGGAG
GGAGCTGAGTCAGGGGAATCGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATT
GTGCCACTGCACTCCAGCCTGGTGACAGAGTGAGACTCCGTCTCAACAAAAACAAAACAA

88870 TGATGAAGTGGTACTTTTCGGGATAATTTGAGACCAGCCGACTTGCTGCTTGAAGAGGAC
AGGGCTATATTTGGTAATAATATATATGTGATAATATGTATGTAATATTATTATAATGTA
ATATACAATAATATTTGGTGTAAGTGGTGAAGTCTGAGGCCAGTCTTTGATCGAACCTCTC
AAGCTATGATTTACATTATGGTCAATGTTAGCATAATGCAATTATCAGCAATCACTTGCT
GTTGCTTTGAAAGTCAGAAGGATGGCTAATAAAAAATCTTAGAAAAAGAAAACAGGCTGGG
[C,T]
GCAGTGGCTCACCCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCAGATCATGAGG
TCAGGAGATCGAGACCATCCTGGCCAACATGGTGAAACCCCATCTGTACTAGAATACAAA
AAAAAATTTGCTGGGCGTGGTGGCGTGGCGCTGTAGTCCCAGCTACTCGGAG
CTGAGTCAGGGGAATCGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGTGC
CACTGCACTCCAGCCTGGTGACAGAGTGAGACTCCGTCTCAACAAAAACAAAACAAAACA

88918 CTTGAAGAGGACAGGGCTATATTTGGTAATAATATATATGTGATAATATGTATGTAATAT
TATTATAATGTAATATACAATAATATTTGGTGTAAGTGGTGAAGTCTGAGGCCAGTCTTTG
ATCGAACCTCTCAAGCTATGATTTACATTATGGTCAATGTTAGCATAATGCAATTATCAG
CAATCACTTGCTGTTGCTTTGAAAGTCAGAAGGATGGCTAATAAAAAATCTTAGAAAAAGA
AAACAGGCTGGGCGCAGTGGCTCACCCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGG
[G,A]
CAGATCATGAGGTGAGGATCGAGACCATCCTGGCCAACATGGTGAAACCCCATCTGTGA
CTAGAATACAAAAAATTTGCTGGGCGTGGTGGCGTGGCGCTGTAGTCCCA
GCTACTCGGGAGCTGAGTCAGGGGAATCGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAG
CCGAGATTGTCCACTGCACTCCAGCCTGGTGACAGAGTGAGACTCCGTCTCAACAAAA
CAAAACAAAAACAAAAACAAAAAGAAAAATCTTAGAAAAAGAAAAATAATTGTAATATT

88940 TTGGAATAATATATATGTGATAATATGTATGTAATATTATTATAATGTAATATACAATA
ATATTTGGTGTAAGTGGTGAAGTCTGAGGCCAGTCTTTGATCGAACCTCTCAAGCTATGAT
TTACATTATGGTCAATGTTAGCATAATGCAATTATCAGCAATCACTTGCTGTTGCTTTGA
AAGTCAGAAGGATGGCTAATAAAAAATCTTAGAAAAAGAAAAACAGGCTGGGCGCAGTGGCT
CACCCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCAGATCATGAGGTGAGGAGAT
[C,T]
GAGACCATCCTGGCCAACATGGTGAAACCCCATCTGTACTAGAATACAAAAAATTTGCTGGG
AAATTTGCTGGGCGTGGTGGCGTGGCGCTGTAGTCCCAGCTACTCGGGAGCTGAGTCAGG
GGAATCGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGTGCCACTGCACTC
CAGCCTGGTGACAGAGTGAGACTCCGTCTCAACAAAAACAAAAACAAAAACAAAAACAAAA
AAAGAAAAATCTTAGAAAAAGAAAAATAATTGTAATATTTGTAATATTTGTTGGGGAGGA

89133 GGCTAATAAAAAATCTTAGAAAAAGAAAAACAGGCTGGGCGCAGTGGCTCACCCCTGTAATC
CCAGCACTTTGGGAGGCTGAGGCGGGCAGATCATGAGGTGAGGATCGAGACCATCCTG
GCCAACATGGTGAAACCCCATCTGTACTAGAATACAAAAAATTTGCTGGG

FIGURE 3FFFF

CGTGGTGGCGTGCGCCTGTAGTCCCAGCTACTCGGGAGCTGAGTCAGGGGAATCGCTTGA
ACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGTGCCACTGCACTCCAGCCTGGTGAC
[A,G]
GAGTGAGACTCCGTCTCAAAACAAAACAAAACAAAACAAAACAAAAGAAAATCTTA
GAAAAAGAAAATAAATTGTAATATTTTCAAGATATTTGTTGGGGAGGATATGTGTGCTCAA
GAAATATATACTGAGAACTTACCATTGATGCTAGAGATTGAATTGCCCATGTCTACATG
AAAAATGAATAGAATATAAACATTTTAAATTGAGCCATGTCTATCTGTATTATATTTCTT
TTATAGAAATTCATGGAAATGGTATATTTTAACTGAATTATTAACACTGGGGACAATAGG

89260 TGGTGAAACCCCATCTGTACTAGAATACAAAAAATAAATTTGCTGGGCGTGGTG
GCGTGCGCCTGTAGTCCCAGCTACTCGGGAGCTGAGTCAGGGGAATCGCTTGAACCCGGG
AGGTGGAGGTTGCAGTGAGCCGAGATTGTGCCACTGCACTCCAGCCTGGTGACAGAGTGA
GACTCCGTCTCAAAACAAAACAAAACAAAACAAAACAAAAGAAAATCTTAGAAAAA
GAAAATAAATTGTAATATTTTCAAGATATTTGTTGGGGAGGATATGTGTGCTCAAGAAATA
[T,C]
ATACTGAGAACTTACCATTGATGCTAGAGATTGAATTGCCCATGTCTACATGAAAAATG
AATAGAATATAAACATTTTAAATTGAGCCATGTCTATCTGTATTATATTTCTTTTATAGA
AATTCATGGAAATGGTATATTTTAACTGAATTATTAACACTGGGGACAATAGGCTTTAAT
CATTACTAATACCTGTACGTTGTTTTGAAATTCTAGCCCAACCACCATTAATTTCAAAA
TTGGGTTCTTACTCAAAGAGTGATGAAAAGGCACCAGTACCAAATGGTCTGGCCAAAATG

89298 AAAAAATTTGCTGGGCGTGGTGGCGTGCGCCTGTAGTCCCAGCTACTCGGGAGCTGAGTC
AGGGGAATCGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGTGCCACTGCA
CTCCAGCCTGGTGACAGAGTGAGACTCCGTCTCAAAACAAAACAAAACAAAACAAAACAA
AAAAAGAAAATCTTAGAAAAAGAAAATAAATTGTAATATTTTCAAGATATTTGTTGGGGA
GGATATGTGTGCTCAAGAAATATATACTGAGAACTTACCATTGATGCTAGAGATTGAATT
[G,T]
CCCCATGTCTACATGAAAAATGAATAGAATATAAACATTTTAAATTGAGCCATGTCTATC
TGTATTATATTTCTTTTATAGAAATTCATGGAAATGGTATATTTTAACTGAATTATTAAC
ACTGGGGACAATAGGCTTTAATCATTATCTAATACCTGTACGTTGTTTTGAAATTCATAG
CCCACCACCATTAATTTCAAAATTTGGGTTCTTACTCAAAGAGTGATGAAAAGGCACCAGT
ACCAAATGGTCTGGCCAAAATGCTACATGGAATAAATGCTGGGGATGGTCATACAATGA

89682 ATTCATGGAAATGGTATATTTTAACTGAATTATTAACACTGGGGACAATAGGCTTTAATC
ATTATCTAATACCTGTACGTTGTTTTGAAATTCTAGCCCAACCACCATTAATTTCAAAAT
TGGGTTCTTACTCAAAGAGTGATGAAAAGGCACCAGTACCAAATGGTCTGGCCAAAATGC
TACATGGAATAAATGCTGGGGATGGTCATACAATGAGTTTTAAGTGGCTAGACCCTAAA
TCAGAAGCACTTTCTTCAATTAGCACCATGGTTCTTAATCCTTTCTGTACATTACAATC
[G,A]
CTCAGCAGCTTAATACAAATGTTGCTTCCCGGGGCCACACTCCACATCTTTCTGACTCTC
TGATTTAATTGGTCCGAATGGGGCCTATACATCAGGTGTTTTTAAAAGGTCTCCAAGTG
ATTCTAATGTGTACCTGCATTGAGGACCAGGAAGGTGTAGGAAGCCTGATAACCTTTAC
TCTCCAGCCTCATCCTCCAATCCCAGTATTGTTTATGGGATTGTTGCTACACACCCAGCT
TAGTCATAGCATTCTTACTCTAGCTTTTTTTAGATGCAATTTTTATTATTCTTAAAGA

89757 TACGTTGTTTTGAAATTCATAGCCCAACCACCATTAATTTCAAAATTTGGGTTCTTACTCAA
AGAGTGATGAAAAGGCACCAGTACCAAATGGTCTGGCCAAAATGCTACATGGAATAAAT
GCTGGGGATGGTCATACAATGAGTTTTAAGTGGCTAGACCCTAAATCAGAAGCACTTTCT
TCTAATTAGCACCATGGTTCTTAATCCTTTCTGTACATTACAATCGCTCAGCAGCTTAAT
ACAAATGTTGCTTCCCGGGGCCACACTCCACATCTTTCTGACTCTCTGATTTAATTGGTC
[C,T]
GAATGGGGCCTATACATCAGGTGTTTTTTAAAAGGTCTCCAAGTGATTCTAATGTGTACC
TGCATTGAGGACCAGGAAGGTGTAGGAAGCCTGATAACCTTTACTCTCCAGCCTCATCC
TCCAATCCCATGATTGTTTATGGGATTGTTGCTACACACCCAGCTTAGTCATAGCATTCT
TACTCTAGCTTTTTTTTAGATGCAATTTTTATTATTCTTAAAGAAAAAGATTTCTTTAG
CACCTTTATTCTAAAGAGCTCTTAATTGCTGTGCTTAGAACTTCTAAACAGTGAGCATT

89817 AGAGTGATGAAAAGGCACCAGTACCAAATGGTCTGGCCAAAATGCTACATGGAATAAAT
GCTGGGGATGGTCATACAATGAGTTTTAAGTGGCTAGACCCTAAATCAGAAGCACTTTCT
TCTAATTAGCACCATGGTTCTTAATCCTTTCTGTACATTACAATCGCTCAGCAGCTTTAAT
ACAAATGTTGCTTCCCGGGGCCACACTCCACATCTTTCTGACTCTCTGATTTAATTGGTC
CGAATGGGGCCTATACATCAGGTGTTTTTTAAAAGGTCTCCAAGTGATTCTAATGTGTAC
[C,T]
TGCATTGAGGACCAGGAAGGTGTAGGAAGCCTGATAACCTTTACTCTCCAGCCTCATCC

FIGURE 3GGGG

TCCAATCCCATGATTGTTTATGGGATTGTTGCTACACACCCAGCTTAGTCATAGCATTCT
TACTCTAGCTTTTTTTTAGATGCAATTTTTATTATTCTTAAAGAAAAAGATTTCTTTAG
CACCTTTATTCTAAAGAGCTCTTAATTGCTGTGCTTAGAACTTCTAAACAGTGAGCATT
GTCAAACATAGAATAGCAGAATGAAGGGGTTGGACCTCGGGTGAGGAGGGCTGTGCGATG

90248 TTTTATTAGATGCAATTTTTATTATTCTTAAAGAAAAAGATTTCTTTAGCACCTTTATT
CTAAAGAGCTCTTAATTGCTGTGCTTAGAACTTCTAAACAGTGAGCATTGTCAAACATA
GAATAGCAGAATGAAGGGGTTGGACCTCGGGTGAGGAGGGCTGTGCGATGGTCTCTTTG
AGTGCCGGCGGGTGGGGGCTGCACATCTCCTCGCTTCTGGGCCATTGATAAGTGACCTA
AAAGTGCCCTTCGTTTTTTTTGGTGGGGGGTGA AAAAGCAATCTGTTTTGTACCCACAGC
[G,A]
GTGCACTTTAAACAGGAAGCCCTACTGGGGCCAGCCTTCTATGTGTCATTAAGTTTTCA
CGCCACATCCTACCTATCATCATGCACCCATGTCATCGTTCTTTTAAAGGGTGCCAGTTT
TTTGCTTAAGCACAAAGGAGCTGTGACCTGTGTTGTCATCCCTGATGCATGTGATGCATGT
GACTTCATGACATGTGGGTGACTTTTGATCTCTGAAGGACCAGGGACCCAGTCTGTGGAT
CACCCTCTCTCCGTGGGTGGTTTGGGTCTTGTTCTAGCCACCCAGCCAGGTGCAAT

90283 AAAAGATTTCTTTAGCACCTTTATTCTAAAGAGCTCTTAATTGCTGTGCTTAGAACTTCT
AAACAGTGAGCATTGTCAAACATAGAATAGCAGAATGAAGGGGTTGGACCTCGGGTGAG
GAGGGCTGTGCGATGGTCTCTTCGAGTGCCGGCGGGTGGGGGCTGCACATCTCCTCGCT
TCTGGGCCATTGATAAGTGACCTAAAGTGCCCTTCGTTTTTTTTGGTGGGGGGTGA
AAGCAATCTGTTTTGTACCCACAGCGGTGCACTTTAAACAGGAAGCCCTACTGGGGCCAG
[G,C]
CTTCTATGTGTCATTAAGTTTTTACGCCACATCCTACCTATCATCATGCACCCATGTCA
TCGTTCTTTTAAAGGGTGCCAGTTTTTGTCTTAAGCACAAAGGAGCTGTGACCTGTGTTG
CATCCCTGATGCATGTGATGCATGTGACTTCATGACATGTGGGTGACTTTTGATCTCTGA
AGGACCAGGGACCCAGTCTGTGGATCACCCTCTCTCCGTGGGTGGTTTGGGTCTTGTT
TCTAGCCACCCAGCCAGGTGCAATTAGGAATAAAGGAAATAGCAAAGGAATTTTGCTCA

90506 TTTGGTGGGGGGTGA AAAAGCAATCTGTTTTGTACCCACAGCGGTGCACTTTAAACAGGA
AGCCCTACTGGGGCCAGCCTTCTATGTGTCATTAAGTTTTTACGCCACATCCTACCTAT
CATCATGCACCCATGTGATCGTTCTTTTAAAGGGTGCCAGTTTTTGTCTTAAGCACAAAG
AGCTGTGACCTGTGTTGTCATCCCTGATGCATGTGATGCATGTGACTTCATGACATGTGG
GTGACTTTTGATCTCTGAAGGACCAGGGACCCAGTCTGTGGATCACCCTCTCTCCGTGG
[C,G]
TGGTTTGGGTCTTGTTCTCTAGCCACCCAGCCAGGTGCAATTAGGAATAAAGGAAATAG
CAAAGGAATTTTGCTCAAGGCCATGCCAAGCATTTCTATCTCATATGAAAGGAAAAAGAGA
GAGAGTGTGTGTGTTGGCTAGATTTAGGTAGAAAACAGGCTGGTGAGAAGCGTAGAAC
TTGGTTAAAAATTTAGCCAAAAGTAAGATTTTTTAAAAAGATTTATTTCTGGATCCAATC
CCTGTTGCCCATTTCTATGAATAATCACCATTGTTTTAATGTGAATAATAGCACACAGC

90607 CACGCCACATCCTACCTATCATCATGCACCCATGTCATCGTTCTTTTAAAGGGTGCCAGT
TTTTGCTTAAGCACAAAGGAGCTGTGACCTGTGTTGTCATCCCTGATGCATGTGATGCAT
GTGACTTCATGACATGTGGGTGACTTTTGATCTCTGAAGGACCAGGGACCCAGTCTGTGG
ATCACCCTCTCTCCGTGGGTGGTTTGGGTCTTGTTCTCTAGCCACCCAGCCAGGTGCA
ATTAGGAATAAAGGAAATAGCAAAGGAATTTGCTCAAGGCCATGCCAAGCATTTCTATCT
[C,T]
ATATGAAAAGGAAAAGAGAGAGAGTGTGTGTGTTGGCTAGATTTAGGTAGAAAACAGG
CTGGTGAGAAGCGTAGAACTTGGTTAAAAATTTCTAGCCAAAAGTAAGATTTTTTAAAAAGA
TTTATTTCTGGATCCAATCCCTGTTGCCATTTCTATGAATAATCACCATTGTTTTAAT
GTGAATAATAGCACACAGCAAATTCAGCCCCCTGAGTTTTTACCATTTAAGCAATTGCTT
TAGGCCCGTGAGGCATGACTATTTATGAAGTTGCATGGGTAGTAATGAAAAACACAACA

92329 GCCCAGCCTGAGATTTTGAACAGAGGAGCATGATGCTGGGCGTTGACTCATTTGGCTGTG
AGTGTGGAAGAGCTGTCACTGGAGTACAGCAAGTCAGCACTATCAAGCCAGCCCTTGTCAT
TGCCAGGAGCTGCGGGGAGAGAGGTGTTTTGATTGCTGCAGGGAACTGACCTCTTTTAG
TCAGGGAAGTAGTTTGGGCAGTAGAAAGCAGAACTTGACCTGCTGGTAAGATCTGAGTG
GTCATGACAACAGCTCTGCAACCTGTTACCAGGGCAACAAAGATGGGCCCAGGGGTA
[A,G]
TGGTGGGCTCTGCCACATCTCTCTGTGCATAAGAACCTTTGGCCACTTGCTCTGGCCTTG
TCTTTACCAATCCCACTGTTTCTATCCAGTGACCAACCACTGAGGGGAGCTGTCTCTGG
AATCTGTCTCTCATCTGCCCCATAATTAAGTCTTCTGGGCACAGTGATGAGTTACAT
AGATGAGTGTGGGTAAAGTTTTGCCCTTTCTGTGGGGGGAGCATCTTTTGGTCCACTCTCA
GGAGGGCATCCTATGTTATTTTTGTGATATTTCTAAGAGTTGTATAAGCAAGTGCATC

FIGURE 3HHHH

92912 TGTATAAGCAAGTGCATCAAGCCAACCTTGCTACCCAGCTCCCTCTTGAGACCAGCAGA
AACTATTTTATCAACTGGCAGTTTACGTAACCTCTCTGGGCCTCAATTTCTCATATAAAA
TGAGGATAATAAATCGTATCTGCTCATAGAGTTGCTGTGGGGAGTAAAGAGTTCAAATGT
ATCTGTCAGTGAAGGAAAAAGAAAAAAACAAAAACAAAGAGTTCAAATATATCTAGC
GTTCAAACAGAACCAAGTATGCAGCCAGTGCCCAATAGGTGTATGAGTTTCTATGGCCA
[C,A]
TGTAACAAATGACCACAACTTAGTGGCTTAAACCAACACACATTTATTATTTTACAGTT
CTGGAGGTGAGAAGTCTAAGATGATGCCAGGCTTGGTGGCTCAAGCCTGTAATCCCAGCA
CTTTGGGAGGCTGAGGTGGCAGGATCACTTGAGGTGAGGAGTTCCAGACTAGCCTAGCCA
ACATGGTGAAACCCCATCTCTACTAAAAATACAAAAATTAGTCAGGCACGGTCACGAGCA
CCTGTAATCCCACTACTCAGGAGGCTGAGGCAGGAGAATTGCTTGAACCCAGGAGGTGG

95043 GGTTCGGAGGCTACTTGAGATGTGATTGCTCCTAATGAACCTCCACGGGCTTTTTAAC
CTGTGATGTGTTTTATTTAGATGGAGCAGGAAATGACCCGGTTACATCGGAGAGTGCA
GAGGTGGAGGCTGTGCTTAGTCAGAAGGAGGTGGAGCTGAAGGCCTCTGAGACTCAGAGA
TCCCTCTGGAGCAGGACCTTGCTACCTACATCACAGAATGCAGTGTGAGCCTTCCCTGA
AGCCCTTCCCTTGAGGTGGCACTTCTGTTGTGTGTCTCATCTGTTTCATGATG
[A,G]
CTCCATGAGGCACATCACAGCCAATGGCAGAGAGTAGAGAGAGGGAGAGCACAAAAGCAA
GATCTGTGTTTTGCAGAGTAGTGAGAGCCAGGCGTAAGGTCCCAAGAAATGAGATTGGA
CTCATTTCCAGCAGAAAGTGCAGGTAGACGGCTGGTACCATGGAGTCTGGAGATGGGAGT
AATTCATCTTTGCCGCAAGTTGCAAAAGATCTTAACATCTCCATCCCAGCCTCTGTGGT
CTGCGTTGTGTCTGACATGAGCAGCCTTGAGAACCAGACTCCCACTATGTACAAGAAAA

95227 TCCTGGAGCAGGACCTTGCTACCTACATCACAGAATGCAGTGTGAGCCTTCCCTGAAGCC
CCCTTCCCTTGGAGGTGGCACTTCTGTTGTGTGTCTCATCTGTTTCATGATGACTC
CATGAGGCACATCACAGCCAATGGCAGAGAGTAGAGAGAGGGAGAGCACAAAAGCAAGAT
CTGTGTTTTGCAGAGTAGTGAGAGCCAGGCGTAAGGTCCCAAGAAATGAGATTGGACTC
ATTTCCAGCAGAAAGTGCAGGTAGACGCTGGTACCATGGAGTCTGGAGATGGGAGTAAT
[T,C]
CATCTTTGCCGCAAGTTGCAAAAGATCTTAACATCTCCATCCCAGCCTCTGTGGTCTGC
GTTGTGTCTGACATGAGCAGCCTTGAGAACCAGACTCCCACTATGTACAAGAAAACCTTA
CTTTCAATCTTCTGACATCAAATTTTTCCATTGGCCAGAACCAGTGTAGTGACAAGAAAA
TAGCCTTGAAAACCCAGACCCTCTGTCAATTTTACCATGTGACTTTCATTTTTCTTCT
CTTCAAGAGTAGACTGTCTTCTTCCATTGTCTTGTAAATTTTTTCAATTCAGGTGTT

107428 ATGTTACTCTGTGCTTGGCTCTCCAGCTTGCTGTTGCCTTTCACCAGTGTATCCCAGACA
TCCTTCTTCTTGTGCTAGTAACGCAGGTCTACTTTATTCTTTGAGCAGTGGCATAATTTT
CCCTGATGTGTATATATCATAAGTTAGAGAATGCTAAAATTCATTTTGGGGCCTTGTTTA
GGTTCTTGAGGGATTAAATTCCTAAATTTAACAAGTGTATCCTGGAAACAATTTTTGTTC
CTGATTGAGCCCTTAAAAGAGGACTATCATGTTACCTTGAATGGAGATAAACAGGCTCAC
[G,A]
TAAGAGAAAAGGGTAAGAGGGATGAACTCCCACTTATCTTAACTTCTACTGGCCCGTTT
TTGGGGAATTTGCTGCTTTTATTCTGACCTAAAATAAATAAGTTTATGTGTCTTGGTTT
CATATTAGTTGAGAACCCAGTGCCTGGAGAGAAGTTTCTTGTCTCTGAGTGAGGACA
TTCACATATGAATCTATTGGCAGACTGGCTTTGACTGACCACACGTGCCTTCAGAACCAA
TGCCACAGCTCTTAGGTTTATGGCCTGAAACACCCTTCTTACATATTGCCTTAGAAAC

114951 GACAGTGAGACATGTGCTGTTTTGATCTCTCAGCTAAGATTATCTGATTTTTCAGGCATG
TCTCAAAACTCACCAGCCTGCTCACATGCTGCTGCTTCTGAAGCCAGGGTTTGGAAACC
AGCTGCCCATCAGAATGAGGCTGTGACTTAGAATATTGGTTCTTGTTTTATTACCATTC
TTGTTTGGTCTCTCCAGAGTCACTGGCCTTTTCCGCTTCAATTTTCTTATCGGTGAAATG
AGATATTAAATCCTCTTATTGACTTCAATTCAATTGCTGAGTGTATTGTTGCCTTTGGGA
[A,G]
GTTCTTTGAGTTTTCTGTGCCTTTGAAATAGTTGTTTTTTTTTATTCTGGTGTTTTGAGG
CATGTTTCAAGTGAGTGCATTTACACTTCTACCATTTTAGGAGCCACAATTCAGTTATGT
TGTCCAGCTTGCTTGGCCCCATCCCCAGAGTTTCTGATTGAGTAGGTCTGGGGTGGGGC
CCAATAATTTGCATTTCTTCTTTTTCGAGACAGAGTCTGACTGTGTATCCAAGCT
GGAGTGCAGTGGCACGATCGTAGCTCATTGTAGCCTCAAACCTCTGGGCTCAAGCCGTCC

115042 GCTGCTTCTGAAGCCAGGGTTTGGAAACCAGCTGCCCATCAGAATGAGGCTGTGACTTAG
AATATTGGTTCTTGTTTTATTACCATTCTTGTGGTCTCTCCAGAGTCACTGGCCTTT
TCCGCTTCAATTTTCTTATCGGTGAAATGAGATATTAATTCCTCTTATTGACTTCAATTC
AATTGCTGAGTGTATTGTTGCCTTTGGGAAGTTCTTTGAGTTTTCTGTGCCTTTGAAATA
GTTGTTTTTTTTTATTCTGGTGTTTTGAGGCATGTTTCAAGTGAGTGCATTTACACTTCT

FIGURE 3IIII

[A,G]
CCATTTTAGGAGCCACAATTCAAGTTATGTTGTCCCAGCTTGCTTGGCCCCATCCCCAGAG
TTTCTGATTCACTAGGTCTGGGGTGGGGCCCAATAATTTGCATTTCTTCTTTTTTCG
AGACAGAGTCTGACTGTGTCACTCAAGCTGGAGTGCAGTGGCACGATCGTAGCTCATTGT
AGCCTCAAACCTCTGGGCTCAAGCCGTCTCCACCTCACCTCCTGAGTAGCTGGGACT
ATAGGCATATACTACCATGCCCTGCCACCTTTTAAATTTTTGTAAAGGATGGGGTCTCA

117217 GCTGGGCTAGCTGCCTCTGAATCACCGCAGTAGCTCCTTTTACTATAGATTCTGGGTCC
CACCCATGGAATGTGATCCATGAAGTCTGGGGTTATTCCTGGAATCCTTTAAGCTCCCT
AAGTGGTTGGGATGGGAAAGAGATATGCTTTATGTTACTATACTTCTTATTATTATT
TTAAAATTTCTTGCCGGGCGCAGTGGCTCACACCTGTAATCCCAGCACATTGGGAGACCGA
GGCGGGTGGATCACTTGAGGTGAGGAGTTCGAGACTGGCCTGGCCAACATGATGAAATCC
[C,T]
GTCTCTACTAAAAATACAAAAATTAGCTGGGCATGGTGGCGCATGACTGTAGTCCCAGCC
ACTCCGGAGGCTGAGGCAGGAGAATCGCTTGAACCCGGGAGGCAGAGTTGCAGTGAGCC
GAGATCGTGGCACTGACTCCAGCCTGGGTAACAGAGTGAGACTTCATCTCAAAAAAAC
CCAAAAAACAAACCTTTTTTCAATTATACCGGAACGTGAGCTTTATGGAGTCGGGGATT
TTTTCTGTTTTATTCACTGCTGTTTCCCTAACATCTAGAATAGTGGCTGGCACGATAGGC

120452 TACTCAATCCTCACACAGTGCTGCAAGAGGATTAGTCTTATCCCTGTTTTAGAGAGGATG
AAACTGAAAGGCAGCGAGGTGAAGTCAACAGCAGGAGGCTGAAGCCGCCAGGCTAACTG
GCCTTATAGCTACCTAGGGACTCAGGAATATCACACCTGTTTATCATCAAAGGAGAAAAG
GATTTCACTTCTTGCGGTAGAAGAGTTTTCTTTTGCTAATCAAACATTTTACTTGAGGC
TTCATATTCTTCTCAAGATTTTTTCTGTGTATGTACCAACACATGAATAATTCCTT
[A,G]
TTTTATTCAAAAAAGGGGTTGTACTTTATTCTTTACAAGATTTCACTTTATATTGTCATG
GACAATTTTCCATGGCAGTATGAATAAATGGAATCTGTTTGTTTTTAATATCTTGTCTT
ATCCATTGTTTACATATGTCATATTTAGCCAGTCTCTAACTGATGGATAGCTGAATGA
TTTCCATGTTTTTCCCTGTTACAAACAATACTGCAAGGAATCTATTTATCTTCTAT
TTATCTGCAAACCTATTGTAAGTACCTGTAATTTGTTAGAAGTGAATTACTAGGTCAAAG

124035 AAAAACTGATGCTAGTGAAAATGCATAATTTAAGAGGTTAGAGAAGCTGCTCTTCAAAA
TGCCCCCAAGTCTGAGAGTTAAATCCTTTACATAAAGGACAATATGTAAATTTTTCTTT
TTCTTTTTTCTTTTTTTTGGAGACGGAGTCTCGCTCTGTCCCCCAGGCTGGAGTGCATG
GCGCGATCTCGGCTCACTGCAAGCTCCGCCCTCGGGTTACAGCCATTCTCTGCCTCA
GCCTCCGAGTAGCTGGGACTGCAAGCGCCCGCCACCATGCCAGCTAATTTTTTGTATT
[G,A,T]
TTAGTAGAGACGGGGTTTACCCTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGA
TCCACTCGCTTCCGCTCCCAAAGTCTGGGATTACAGGCATAAGCCACTGCGCCCGGCT
CTTTTTTTCTTAACTGCTTCCAGAAAAGTGGATATTATTAGGTTGATGTTAAGAAAAG
GCTTGGAGTTGCATTAACTTTTTGTCTTCTAGCATCTGGCCTGTCTGTTCTGCAGACCTG
AGACCTACTTGAGATAATTTTCTTGGTGTTGAGGCCCTTGAAAAATAAGTTCCTATGT

124589 ATAATTTTCTGGTGTTGAGGCCCTTGAAAAATAAGTTCCTATGTTGTCCAGTGTCAA
AGTTTCTCAACCTCAGCACTATTCTTTTTTTCAGGTTATTTTCTGTAACTCTGTTCACTT
GATCATTACATTAAGAATTAGATTATTTGCTATAACTACAAAGCATTTTATGTTTTAAA
AATTATGTACAAATTTAGAAACAGGCATGAAAACCTAGGTATTAAATTTAGTGGAATAAAG
CACAGAAAAAAGTTAAAATAATGCAGTTTTATCACTTAGGATTAACATTTATATGGGC
[C,T]
GGGTGTAGTGCTCACACCTGTAATCCCAGCACGTTTGGAGGTGAGGCGGGAGGATTGC
TGGAGTTTGGAGACAGCCTGGGCAACAAAATGAGACCTAGTCTCTACAAAAAATCAAAAA
ATTAGCCAGACATGGTAGTACATGCTTGTAGCTCCAGCCACATGGGAGGCCAAGACAGTA
GGATCGCTGGAGCGAAGGAGGTTGAGGCTGCAATGACCGTGTGTCACCATTGCAATCCA
GCCTGGGCGACAGAACAGACCCTGTCTTAAACAAATTTATATGCTGCATTGCGTGAAT

125136 GCGACAGAACAAGACCTGTCTTAAACAAATTTATATGCTGCATTGCGTAAATTA
AAAATCATGGATTTAGAAAATAAATTGAAGCAAGGTACATTGACAGTGTAACCTCAGCACT
ACTGACATTTTATCTGAATAATTCTTTGTTGTGGGGGATGCGCTGTATAAGATGTTTAG
CTGCATCCCTGACTCCTACCTCCTAGATGCCATTAGCACCTCCCCTCCAGATGTGATAA
CCAAAAATGTCTCTAGACATTGCCAGATGTGCTGGGGTAGGAGGGTTGGGGGAAGTGGG
[G,-]
TTTGAGAACCTTTAGTTGATCATGCCTGCAGTAGGTTGAGAAGCATCAGAAAGCTAATTA
ATTAGACAGGAATATGTGTTTGCAGTAAGAAAACCTCAGCAAACTAATCAAGTTCCAAAG
TTACTGCTTGGTAAATAAATAGGAATTAAGAATAAGACCCTATCTCTGTGTCTGGGGTCA
TTCTCTTCGGAGCTCTTGGTGGAGAGACAGGGTCCCAGTTTCAATTTTTTATGCTTCA

FIGURE 3JJJJ

GA CTGCCCTTTTCAGTTATAATTGTAACAACCTTCACTCCAGGTGGGGAGCCTCCCAGGT

125856 AGGCAGATAAGGAATTTTTTGCATTAAAGTGCAAAGTCCTTTTCTTATAGAAGAGCAATA
ATCTGCACACTAGATCAAGTCAAGTGTGGATATAAAATTATAATTTTTGGGGGATATTT
TTAATAGTGGTTTTGGGTTAAACATATTTCTTTAAATGAAATGTCTGTAGGCCTAAAGT
AGGTTCTAAATGTTGCCTGTACTCATAGTATACCATATAAAATATAATCCACATTTACTG
GAACTACCATATATTACTTACCCCAAATCAATCAATCCCTTCCCTATCACCCCCACGTAA
[G, T]
ATCTTCGTATTTTGGATACCTGTGAATCTTAGATCTGTTCAGTTTTCCATTATCCATTGT
CTTATTTCAAGCTTCTCATTCAAGATGTTGCTTTGGAGTATTTTCTGTTAGTAAACACAG
GGCCTAGTGACTCTAGGACCTGCTGTGTGACTTAGGTCACCCACTTCACTTTATTAGAAT
CTCAAAGAATGGTGAACAGCTGAGTTCCAATCTGTCTCATTTGGCTCTCATGAAAACAGT
CATAAGGAGATTGTAGATAAACACATTATATAGCATAGTAAGTGATAATCAACCCCAT

126256 ATTTTCTGTTAGTAAACACAGGGCCTAGTGACTCTAGGACCTGCTGTGTGACTTAGGTCA
CCCCTTCACTTTATTAGAATCTCAAAGAATGGTGAACAGCTGAGTTCCAATCTGTCTCA
TTTGGCTCTCATGAAAACAGTCATAAGGAGATTGTAGATAAACACATTATATAGCATAG
GAGTGAAAGCATATTGCAAAATCATAATCAGGACATGTGAGATTATGTGTTGAACAGGTT
TTGTGTAGGAGTGAAAAGCTTTATTTTCCACAAGAGGAACGACATAGTAAGAACTCCTTT
[C, T]
CCCCCTGCTTCTGCAGGTATATGCTTATGCCCTAGGCAACTTGATGGGTAAAGTTAGGTT
TAAATAGTTTTTATTTGTAAGCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCT
CTCTTCTTTTCTTTCAAGACAGAGTCTTGCTCTGTCAACCAGGCTGGAGTGCAGTGGGCG
ACCTTGGCTCACTGCAACCTCCGCCTCCTGGGTTCAAGAGATTCTCCTGCCTCAGCTCCC
CGAGTAGCTGGGATTACAGGTGCCGCCACCATGCCTGGCTAATTTTTGTATTTTAGTA

127332 CGCGCCACTGCACTCTAGCCTGGGCGACAGAGCAGTCTTTAAAAAAAAAAAAAAAAATTAAC
TAAGTTAAGTAGTACTTGGGCCCTATCAGATAGTGTCTCCTGCAGGCAGGCTGGGCCCC
TACTACAGTTTCACTTTTAATATCTCACCGAGATTAGCTGACTGAATTGCCACCAGAGGA
GAGTGAAAGCATATTGCAAAATCATAATCAGGACATGTGAGATTATGTGTTGAACAGGTT
TAATGTGCTTGGGGGTCACTGACTAATGGGAACCTAGCAGTCATTAACGTGCATTAACAA
[C, T]
GTTTGTTAATTACTATTACACACTTAGAGATTTGTTAATTAACAAAGAGTAATGCCTTTG
CTAATCACTATTATGCACTTAAGAGGAAGCCAGTGGGTATTTTTCCCTTCATAGCTTTCT
AGTACAAATTAATAAAATTTAGAAAATAGAAAATGATTGTGCATAAATGTGTATAATCA
TGTATCTGTTAGGGGGCAAAAATAGTTGGGGAATTATCTTTCTTTGATAAGTCTTATCA
TTAGTTTGAAAATGGGGCATTGGCAATTCATACTGTTTGGCTGGGTTGTCTGAGAAACA

128302 GACCATCCTGGCCAAACATAGTGAAACCCCGTCTCTACTAAAAATACAAAATTTATCTGG
GTGTGGTGGCATGCACCTGTAGTCGCAGTTACTCGAGAGGCTGAGGCAAGAGAATTGCTT
GAACCTGGGAGGAGGAGGTTGCAGTGAGCTGAGATCGCAGCACTGCACTCCAGCCTGGTG
ACAGAGCGAGACTCCTCTCGGAAAAAAAAAAAAAAAAATCTATTGGTTATTGTTGGTGCA
TAACCAAAACCTTTAGTTTAAACCTAACCTGTGCTGAGCTCTTTAACATTTACATACAT
[G, A]
TTAAAAACAGAATCAGCCCAGATTTCCCAACATATTAAGTCTTCTCCTTGACTTAAGCT
ACTTTCAGTTCTTCAAGCTTAAGTCACCTGTGGTTTTGTCTTAGGCCAAATATTTTCCC
CTTTGTCTCCCCTTCTGTCTATCAAGCCAAGCCTGCCTGTGGGTTTTGGATAGTGTGACC
ATCTGGCTTTCTTGAAGGGGCACTTACAGGGGAAGTTTATTGCCAAACCGGTGGACAA
TCCATGTCAAGGAATGATTATATCACTGCTTCTGGGTTTAGGGCTTGAAAAACCTGT

129122 ACTTCTTGGTGAAAAGCCAGCCTTCAAGGTATGTGGACTTACCCACAAAATCTCTTGG
CTCACTCAGTTTCACTTACCATCGTTTAAATGAGGAAAAAGTTCTTTTGTACCATGTAAC
GCTGACCTGAGAGAAGCCCATATGATATAGAGTTATAGGACAGCTGGCCAACACACTAT
ATAGCTAAAATCAGGGCCTCTCTGTTTTGATGGGGAGAAAAGTTAGAGAAGGAATCTTTA
GACTTCAAATTTCTAGGCTCAGTAAACGTCAAATAATTTTGAAGACCAAGGGGTGCG
[C, T]
AGCTTACTAGGCTGCCTAGACAGGGGTGGGTATGAGGGGAAGAAAGCCTGCTTCTTTCAT
CAACAGCATATCCAGAAACAAAGGACATTTAAACACTAAAAAAGTCAGAAGGACAAATTC
TCAGAAAAAAGGACAGTCCTTTAAATGGGTTACATTTAGCTTTATAAAATGCCCTCCTG
TATTGTCTAATCTTTCTTTGCCAAGGTCAAGTGCTTGGGTGCCATTGGATTATAAGCCC
CTGGGTTTCTGAACGGTGGGGGAGGGAACCAAGGAACAAGGGTTAGGGGTGAGGAAAA

129376 TGGCTCAGTAAAACGTCAAATAATTTTGAAGACCAAGGGGTGCCAGCTTACTAGGCT
GCCTAGACAGGGGTGGGTATGAGGGGAAGAAAGCCTGCTTCTTTCATCAACAGCATATCC
AGAAACAAAGGACATTTAAACACTAAAAAAGTCAGAAGGACAAATTCAGAAAAAAGG

FIGURE 3KKKK

ACAGTCCTTTAAATGGGTTACATTTAGCTTTATAAAATGCCCTCCTGTATTGTCCTAATC
TTTCTTTGCCAAGGTCAAGTGCTTGGGTGCCATTGGATTATAAGCCCTGGGTTTCTGAA
[T,c]
GGTGGGGGAGGGAACCAAGGAACAAGGGTTAGGGGTGAGGAAAAAGAACTCATTAACCT
TGGGCCCTGGGTGGAAGTTAATTATCATGTCTTGCCCTGTGGGTGGGTGAAGTAGGAAC
GTTAATTCCAAAGGCAGTTTTCCAAATTTTTGAACCTGAGATTTGTAATATTATCTTGCC
AGTTAGCCACCAGTTCTCTTCTCTTTTTCTTTTTCTTTCTTACAGTCTCGCTGTCACCC
AGGCTGCAGTGAATGGCGCAATCTTGGCTCACTGCAACCTCCGCCTCCCAGGTTCAAGC

134893 TAATCTTCTGAATAAGCAGTTAATTTTTTTTATTTCATGAACCTGCTGATCATGTCTAAG
AATGTATCTCCACTTAAGTAAGTCAGTGAATGGTGATTACCTGAGTAGAGTTAAAGTAGT
CCCCACCCTCCTATCTGTGGCACATATGTTCCAAGTCTCCAGTGGATGTGTGAAACTG
ATGATAGTACTGAAACCCATCTACCTTTTTCTGTGCATACATACCTATGTTATATAAA
GCTTAACCTATAAATTAGGCATAATATATTTGACTCCCAGCTCCCAGTGTAGTGGCTCTG
[A,c]
AGACTCACAAATGTATTTGCTTTAAAAAATCTTTTTTTTTTTTTGAGACGGAGTTTT
GCTCTTGTTGCCAGGCTGGAGTGCACTGGTGCGACCTCAGCTCACTGCAACCTCCGCCT
CTTGGGTTCAAGCGATTCTCTGCCTCAGCCTCCAAGTAGCTGGGATTATAGGCATGCA
CCACCACACCCAGCTAATTTTCTATTTTTCTAGATAAACGGTTTTTCCATGTTGGTCAGGC
TGATCTTGAACCTCCTGACCTCAGGTGATCTGCCTGCCTCGGCCTTCCAAAGTCTGGGAT

136001 TATTTATTTATTTATTTTTGAGACACAGTCTTCCCGTCGCCAGGCTGGAGTGTGGTG
CACGATCTCGGCTCACTGCAACCTCCGCCTCCTGGGTTCAAGTGATTCTTCTGCCTCAGC
CTCCGAGTAGCTGGGACCACAGGTGTGCGCCACCATGCCCGGCTACTTTTTGTATTTTCA
GTAGAGACAGGGTTTACCATGTTGGTCAGGCTGATCTCAAGCTCCTGACCTCAGGTGAT
CTGCCCTACCTTAGCCTCCCAAAGTGCTGGGATTACAGACATGAGCCACCGCACCCAGCCC
[C,g]
CAGTGTTAACTCTTACATAACAGTGTCACTGTCTAAGTGTTGAAAACTATTTGTCAA
ACTAATATTGGTACATTATTGTTAACTACACTTCAGACTTTTTTGGATTTTACCAATTC
TCCCACTCATGTCCCTTTTCTGTTTCAGGAATCAATCCGTGGTACCATTATGCAAGTAGG
GTGTTTATATTTGATGGGACTGGTCTAGTTTAGATACTTAGTGTAGCTCAGCCAGCAGG
TGGGATCTTCATGCCACCGAGGATTGGTATTGTGTTTTCTGGTGGTTTTATGGCATT

136249 CTTAGCCTCCCAAAGTGCTGGGATTACAGACATGAGCCACCGCACCCAGCCCCAGTGT
AACTCTTACATAACAGTGTCACTGTCTAAGTGTTGAAAACTATTTGTCAAACTAATA
TTGGTACATTATTGTTAACTACACTTCAGACTTTTTTGGATTTTACCAATTCTCCCACT
CATGTCCCTTTTCTGTTTCAGGAATCAATCCGTGGTACCATTATGCAAGTAGGGTGTTA
TATTTGATGGGACTGGTCTAGTTTAGATACTTAGTGTAGCTCAGCCAGCAGGTGGGATC
[T,g]
TCAATGCCCCACCGAGGATTGGTATTGTGTTTTCTGGTGGTTTTATGGCATTTCGACTAT
GCAGAGAGGCATGGTATTAACCTTCAGTGTCTCCTAGCAAATTTTCTGTTTTTACCACAC
CTCTGATCCCTGCATTATTTGCAATCAACTCAGAGATTTGTGATTGAAAACATTGCTTGA
CTCCATGCTCTTTAAGCTATTTTCTAACTAGGTAAGTGAACATAAAATATGCTTTTATC
TAGCACTGTTTTTATAAACACATGTTGAGTGATTTTATCAACCGAAATACTTCGAATC

136448 AGGAATCAATCCGTGGTACCATTATGCAAGTtagggTgTTTATATTTGATGGGACTGGTCC
TAGTTTtagataCTTAGTGTAGCTCAGCCAGCAGGTGGGATCTTCATGCCCCACCGAGGATT
GGTATTGTGTTTTCTGGTGGTTTTATGGCATTTCGACTATGCAGAGAGGCATGGTATT
AACTTCAGTGTCTCCTAGCAAATTTTCTGTTTTTACCAACCTCTGATCCCTGCATTAT
TTGCAATCAACTCAGAGATTTGTGATTGAAAACATTGCTTGACTCCATGCTCTTTAAGCT
[G,A]
TTTTCTAACTAGGTAAGTGAACATAAAATATGCTTTTATCTAGCACTGTTTTTCATAAA
CACATGTTGAGTGATTTTTCATCAACCGAAATACTTCGAATCATTAAAGTTTCCCAAGTTCA
TGGATGCTGCTTAAATGCCTGGTGGTCCAGGCTGTGGAATATTTCTGCCTTCTGCAATA
AGAGATTGTCCCTTGTAAAAGCAACATTAGCCTTTGTGCGGTTTACCCCCAATCTTTC
TTTTCTTGTTGTAACCAATGAAAGGAAGTACTGCTTAACACAGCAGGTAATAATCTTCT

136906 GAATATTTCTGCCTTCTGCAATAAGAGATTGTCCCTTGTAAAAGCAACATTAGCCTTTG
TGCGGTTTACCCCCAATCTTCTTTTTCTTGTGTAACCAATGAAAGGAAGTACTGCTT
AACACAGCAGGTAATAATCTTCTAAACTCATTATCTCAAGAGGTGGTCTGGCAGGATA
TATAAATGCAATTTAAGAAAGGTCTTGGCAAATTTATGAATGACAGAACTGGGAGTGGCT
ACCGAGAGAACTAGGATGCGCCTTTGCTTTGACACTGAGGTGAGGCTAGCTTCTGTAC
[C,A]
CTCCTGGGTCTGCCTCTTGGGTTGCTGCAGGCAGCACCCCATGAACCAGGCATCTGAC
CCAGTTCAGGATACTTATTCTTCCAGCAAGTCGAACACTCTGTGATGAGTGACTGCCAT

FIGURE 3LLLL

GCTCATGGGTCACCAAGGCTCTCATTATTCTGTTTCATTTCCAGCCTCCCACAAGATTGGT
TTTTCAGCTGCTTATTATTATTATCATTATTTCAAGGCTGCTTCCAAGTTTCAGTGGG
GGGTTTCCTAAGCGTACCAGCTGCCCTGGTTGTGCAGTTCGGTGATGTTTCAGATGCTG

137190 GGCCTAGCTTCTGTACCCTCCTGGGTCCTGCCTCTTGGGGTTGCTGCAGGCAGCACCCCA
TGAACCAAGGCATCTGACCCAGTTCCAGGATACTTATTCTTCCAGCAAGTCGAACACTCTG
TGATGAGTGACTGCCATGCTCATGGGTCACCAAGGCTCTCATTATTCTGTTTCATTTCCAG
CCTCCCACAAGATTGGTTTTTTCAGCTGCTTATTATTATTATCATTATTTCAAGGCTGCT
TTCCAAGTTTCAGTGGGGGGTTTCTAAGCGTACCAGCTGCCCTGGTTGTGCAGTTCGGG
[T, C]
GATGTTTCAGATGCTGGGCCGGATTCTGGCTGTACCCAGCCTGATCTTCTGGGCTTCAG
GAAAGCTGAAGCCAATCAGAGCTCCTCTTTCATGCCTTTGGGATTATGCTTACCTTGCCT
GGCATCGTGACCTGCTCCCATCCATGGGAAAGTTTTGCTGTCTGGTACTGTCTTCTATC
AACATCTTTTAAGATATCTTCCCCGAGGCATCGTGATGTCAACGGAACCAAGCACACTG
TACGTTTTATGCAAGACTGCCATATCTCAACAGTGAGAAATGCATAATGGAAGTGGTGAT

137471 CCTGGTTGTGCAGTTCGGTGATGTTTCAGATGCTGGGCCGGATTCTGGCTGTACCCAGC
CTGATCTTTCTGGGCTTCAGGAAAGCTGAAGCCAATCAGAGCTCCTCTTTCATGCCTTTG
GGATTATGCTTACCTTGCCTGGCATCGTGACCTGCTCCCATCCATGGGAAAGTTTTGCT
GTCTGGTACTGTCTTCTATCAACATCTTTAAGATATCTTCCCCGAGGCATCGTGATGT
CAACGGAACCAAGCACACTTGTACGTTTTATGCAAGACTGCCATATCTCAACAGTGAGAA
[T, G]
GCATAATGGAAGTGGTGATCACGGATTATTTCTAGGACATTATGGCTAATGCGCTAGAG
AACTCGGATGGTCTGTTGCGTCTGACATGGGCTTTTTCTCTTGAGTTGTCTTCTTTTGC
TATTTCTCTGAAAGAAACAATTCTTGCCACATGATCCTGATTTTTCAGGTCCTCAGCATTT
GTTAGCAGAAAGTACACTTTGTTTCCATCCGGCAGTGACTCAGTGGTGGTCCCATGCTGA
TGAAACGCTGAGATAGTCTTCTTCCAAATAGGTATCGTTTTGATTGTTGCTGCTTATTTG

137913 CTTGCCACATGATCCTGATTTTTTCAGGTCCTCAGCATTTGTTAGCAGAAAGTACACTTTG
TTTCCATCCGGCAGTGACTCAGTGGTGGTCCCATGCTGATGAAACGCTGAGATAGTCTTC
TTCCAAATAGGTATCGTTTTGATTGTTGCTGCTTATTTGCTAGCTGGCCCTCAATAGTGA
CAATGAAACCTCAAGTGATAATATGGTTGCTCAGTAATCCTGAGGGAAGACAGTCTTTG
GTTTGGGGGATAGGGATTCTGTGCCTACTTAGCTTCAGGTGAAAGTCTTACAAATTTTTG
[T, C]
GTGTAGAAATAAGCACCATGTACCTCCTTGGGTTTTTCTTTTTTTTTCTAGTCCTTTAG
TATGGTCAACAATATTGTTTAGGGAGTACCTATTCTGTGCTAACCCTAGGCATTCAAGT
ATATTACACTATGCTCCTTCAAAACACTTCTGTCAAATGTAAGGATTATTATACCCATT
TACAGATGTGTTACTGTGGTAACTTGCCCAAGTCAAGGGCAAGTGAATAAGGGATTCT
TGGATTTGGGTGGAGTCTGTGTGATTCCAAAGCCCATGCTCTTCTACAATACTATATA

138466 GAGGTCTGTGTGATTCCAAAGCCCATGCTCTTCTACAATACTATATATGCCTTTGCATA
AGTTATTGTTATTAGTAATAATATTTGTGATGATGGCAAATAATAAACCATGTACACTA
GAGAGTGATTTAATCTCTAGGTCTATTTAAGAACATTTGGAATTGCAGGAATTGGATTTT
TTTTTTTTTTAAGTGATGGAGTCTTGCCATCTTGGCCAGGCTGGTCTCAAACCTGTGG
GCTCAAGTGATCATCCTCCCTCTGCCTCCCAAGTGATGGGATTACAGATATGAGCCACC
[A, G]
TGCCCAGCCTAGAATTGCAGGAATTTTTGAATTGATGATTCTGATATTTGAATTTT
TACAGTATGTTAAGTGCAATGTGAGGTGCTGGTGCTGTGGCTCCATTGATGAACACATTT
GGGTATGGCCCTACCTTCAATGAATTTAGAGTCTAAGAGCCTAACCAGTCTTTTGTCTGA
ATAGAGCTGTAGTCTGTTAAATTGCTGTACCTCCAAATGGTGGGAAGTTTAAATGCTTCG
TAGGCCTCCCCTCACTAGTTTACTGAACCAATGTGCTTGATTTTTTTTTTTGA

146805 GGCTTTTCTAAAGTAGCACTTTTCCCCACTCCAGCCCATGAAGATACCTTTTAACCAGCT
CTTGAGATTAAATCCCCTCCGTGACACTTTCCTGCAGGAACCTTGCAA
[G, A]
AAAGTACTGCATTCCCCACTGGCAAACTTGCCATCAGCCAGTTTATGTATTCTCTGCTT
TTCACACCCATATCTTGACCTCTGAACAACACATATTCTCCTCTT

151008 GGATTATTTTATTTAAACCTCCTAATAGTCCATTGAAATAGATATTGCCATGTTGAAAAC
TGAGGTTTCAGAGAGGTTAAGTGACTTACCCAGTGTCACAGAAGTAGTAAGTGGTGCAGCT
GGGATTTGAACTGAGATTCCAGAACAAATGGCATTAAACCACTTTGCTTCCATATTAGTAT
CATCTGCAAAATCTCTCCATAAAATTTCTCAGTCTTTATCTGAGTTTCTTATTTTCAGG
AAGGAAAACCTTCTGTTTTTGATCCTTATGAAATACAATTTCCATTAAACCTTTTTTTTTT
[T, -]
GCTATTAATAAAAGGTACCGGATAATTGAAACCAGACTGGATTTGAGCCTGTGTTGATGGA

FIGURE 3MMMM

AGTACACATGGGATGTGGGCTGAAGTGTTCAATCTAATTTTTCTTTCCATCAGCTAATTT
TTAAAGTATTAAGCAAGTAGATTCTGACACTAACAGGGAAGATTTAAATTCTCTTGAGAG
ACTGGAGGTGTTAAATAATTTCTGGTAGTGACATTTTACATCTTAAATCTTCCTCACT
CTCCACCTCATCTCAATGTACCTGAAGCTCTGGGAATGTTCTTTTGTACTTCTCAGGAA

151627 CATCTCCTCTCCCTCCACATCCCTTCTGCTCCAATTACTTCCCAGCGCCACTTGGAT
GTTGTTGTATCGGGGAACCTTGGAAACAGCCAGATTTTTTGGAGTCTGTAAGCAGAAAA
ACAGACTGCTTGCTGCTCATATCTGGCACCCAGCTTTGTCCAGAAAAACGAGGAGTTAAAA
AGAAGTCTGGGCTGTGAAGGGCTGTGACAACTGTCTAGGGGGAGCTCTAGCGAGCCCTG
GCGGCAGTGACTCATGCTGCTGTCACTGGGATCAGCACTGGCCCTGGCAGGCAGGC
[G,A]
GCAGCCAGGTGGGGTTCCAGCCAGAGCACGCACGCACGGAGCCGGGAGCATGCAGCCTGC
ACTGCGGGGGATGTGATGCTCGGCTCTAACTCGCCTGGCTGGCCCGCCACGGACGCCTCA
GCTTGCAACCATGGTAACGTTTCTGGCGGGGACACCCCGGGAGCCACCGCATGGGC
AGCCTCCTGGTACTGATGGACGAGTGTCCACCTCCCAGACCGAGAGCGCTTAGTAGGTC
GGAGGAAGTGGAGAGGATGTAACACGCCCCAGCCGGGAGTGAAGCCCTGAGGAGGTAGG

151875 TGACTCATGCTGCTGTGCTACTGGGATCAGCACTGGCCCTGGCAGGCAGGCGGCAGCCA
GGTGGGGTTCCAGCCAGAGCACGCACGCACGGAGCCGGGAGCATGCAGCCTGCACTGCGG
GGGATGTGATGCTCGGCTCTAACTCGCTGGCTGGCCCGCCACGGACGCCTCAGCTTGCA
ACCATGGTAACGTTTCTGGCGGGGACACCCCGGGAGCCACCGCATGGGCAGCCTCC
TGGTGACTGATGGACGAGTGTCCACCTCCCAGACCGAGAGCGCTTAGTAGGTGCGAGGAA
[G,C]
TGGAGAGGATGTAACACGCCCCAGCCGGGAGTGAAGCCCTGAGGAGGTAGGAGCCGCAT
ATGTCCATCCGTGCATTCCCACCGTCAGCGCGCAGGGGTGCTGTAGATCACCGGTAGGAA
CTTTATTTGGCTGGTGCTTCATTGCTGATTAACTGCACTGGATTGATGGGCATGAT
TGGCTGGGGAAGATGCATAATGAACTAAAAAAGTGGTTAATAAGATCTCGG
AGTCGACTTGTCCGGGTATGAATGAAGTAGACTGCAGTGGTATCCTAACAGGAGTCCAG

153541 ATCTAACCATCTATGTATCTGTCTCTCAAGTGGGTGGATGGGGTTGCTATCTTGGCTGT
ATAAAGAATCCTAAAAACCTTGTCTCATAAGCTAGAGTTTCTGATGGGTTTAACTGAG
CTGCAAGTGGCTGAACCAGAGCTCTAACAGAGAGATGGTGCTCGGCTCCTCTCCAAGTAT
GCTGCAAGATCAGGGATCTGGCAGCTGAGCCTCTCTGAGCTGGTGGAGCGCTGGCAGCCA
GAGAAAGCCCCGTTACTGTGAGCCACCAGGAGGGAGTGTGATGTAGCCGAGTCATTGATT
[T,C]
ACAGAAACTGGGCTTCATAGGGGGAAAAAACCAGGAGACTAGAAAAATGGAAATATAAA
TATCACTGTAAACCTCTTGATCTGGTAGGTCTTCTCCATTCTCATAAAAGCTATTGAAA
AATGCATTAACAGAGCACTTGGAAATTAGAGGGTCGAGGCTTCCAGGAGCCTCCTGGAATT
TCTGTAAAATGCAGTAGCTTCTGTGGATGTGGGAGGTCAGTATCTTGCCTCATTCTCTCA
TGATACAATGACATTCTGTTTTAGAGGAGTGAGTCCCCAGAAGATCTTGGACTGATGG

155392 TCTTGTATGTGTTATTGCTATTGGACTTGGCTACTCTGCTGTAGGCAGCCCTGTGGGTG
ATACCTACAAGCATCATTTTAGAAATTCATCCACCTGTTGGATGTAGATGACCCTGGACA
TATCAGATTGTGATTAATTAGAAATCTAATAAAGAGAGGCAGTGATGAAATTACTTAGC
AGCTCCTGCAGTTTTATTGACAAAATTTACTTGGAGAGAGGGGGAGACATTTCTGGGGG
TACCACCTTGTGCCAGCGACCCTGTGTTCTTCTGAGTTTCTTTTCTTTTCTCACC
[A,G]
TTTTCAGCATCACAGTTTTTTATTTACACATTGATTACCTGTGCTGTTACTCATTCTT
CACACCACTGAGGAAATTGCAGATGCTGCTGTACTGTGCTAGGTAAATTGACCTCAGATT
TGTTACCAAGTGAATTGAATGAAATGTTAGAGGTGGAGCTGAATGAACGAGGAGTTTTTG
TGGAGAAATTGGCAGTGAGAATGATTTAAATTCTGTGATAGCTCCTCGTTTTTTGGGATC
CTTATTTTGGGACCCAGACTATTTTAAAGCCATTGAGTGCATCATTATTTTAGGCTGAG

155896 ATTTAAATTCTGTGATAGCTCCTCGTTTTTTGGGATCCTTATTTTGGGACCCAGACTAT
TTTTAAGCCATTGAGTGCATCATTATTTTAGGCTGAGCAAGAATCTTGATGACAGCGTTT
CAATGGCTGAGGCGTAGTGGGAGTTCCTTGCACTTGAGTTGGTGGGAGCTGGAGAGTTT
CTAGAGAACTAGGTTTGGTTGTCTTTGGGGTGGGGTTATGGTGAATTAAGTCTTGGAGAG
TGAGTAGCTGTCTGATGCTTCTTTTCTTTTAAACAGCAAGAGCCCAAACCAATCCCC
[C,A]
AGCTCTGAATGCCTGGCTGTTCTCTCAGCCTTTCTTTGCTTGAACCTTGACAATAGTAGG
GTAGTAACAGGAAACAGCATGTTAAAGTTTTAAAAATAAAATAGATCTCAGCTCTTTTCC
TTCCCATTAGCAAGGGGTACATTTATTTAGGTTTTTCTTCTAGATTGAGGCACTGCCTC
ATTTAAGTTCTTGGTGAAGCCATGCATTTCTGCAACCATAAGTATAAACTCTAGAACGG
GGGTGTCCAATCTTTTGGCTTCTTGGGCCACATGGGAAGAAGAAGATTGTCTTGAGGC

FIGURE 3NNNN

157137 T TACTAATACTAGTCCATGTATGTATAGTGTCTCTATACACACCAAGAGAATATGG
AAAGGACTCAGCAATGATTAGGTAGTCCAAAGTCATACCAGATTGGAAACCAAGCTTCCC
AGGCCTGGGACTTTTCTGCTAGAGACACTTACGCTTCTGACCAACTACAAAGAGTTAA
TATGCAGTTGCCAAATACCTGTTGGTAAAAGGTGGATGTTGGGGAGGAGTGGATTGGGGA
ACAGAATTAGAAGGTCCAGTCCCAGAATGGGTACCTTCCCATCAAGTTGAACAAGTCAAA
[G,A]
CAGGTTATGTTGAAACAACCTGAGAGAAAAGTAAAGCAAACACCATTGCTGCAGAATATCAT
GGTACAAATTGGACATCTTTGGGAGTTAGCGGAGTAAGGCAAAATCCAGTGAGGGACGCT
TAATGGGTAATGCCAATTCACAATCTTTGTTAAATTACATTGCTGATCTTCTTGGAAATG
TCTGTCCATTCCCCAAGTAGACTGTGATCTCAAGGCAAGGCTGGGTCTTATTCATCCTG
TTTTCTGGAGCAGTAAATACCTGTGCTGGGACTGGGCTTATAAGCATACTAATGGAAA

157409 ACCTTCCCATCAAGTTGAACAAGTCAAAACAGGTTATGTTGAAACAACCTGAGAGAAAAGTA
AAGCAAACACCATTGCTGCAGAATATCATGGTACAAATTGGACATCTTTGGGAGTTAGCG
GAGTAAGGCAAAATCCAGTGAGGGACGCTTAATGGGTAATGCCAATTCACAATCTTTGTT
AAATTACATTGCTGATCTTCTTGGAAATGTCTGTCCATTCCCCAAGTAGACTGTGATCT
CAAGGCAAGGCTGGGTCTTATTCATCCTGGTTTTCTGGAGCAGTAAATACCTGTGCTGG
[G,A]
ACTGGGCTTATAAGCATACTAATGGAAAGTAAATATTTGGGTTGGTTTTTTAAAAAGAC
AGTGGATTTGGATCAGTGGAGAGGAAGGTAGAGGGAATTTAGGTGGGCAGGGTGCTAAC
AACAGCCCATCTTACAGGGCACCAACTGTGTTCTAGGCTGTGTTCCAACCACTTTACAC
AGATGAATTCATTTAAATTGCACAACAGCCCAAGAGGAAGGTACCATTTATTATCTCAT
TTTGGATGTGAGGAACTGAGGCGTGGGGAGATCAAACAACCTTGCCTAAAGTTATGTAGC

164675 ATTTACAGAGTAAGTTTTCTAGAAAATAGAAGCTGGAAAAAAGGAAAAACCCAACTTG
GCTTCGTGCTCGAAGAGACAGCACTGCTGTGTGGGCGGGTGGCTGCGTGACCCCGTG
CTCAGAAGTGCTTTTCTCTCCATGGGGATAACTGGCTGTGTATCCGAGATGTGGCCAGG
AGTAGGCAAGCAACGTGTGGGCAGGCTGCATGTTCTTTATTAGCATCTTCATTGTACTG
CATCTCGTGGAGCCAGAGCATGAACTGGCCTGGGTTTTCTAATATCTACCCTGCTTCCCA
[T,C]
CTAATTAATCCCCTGAACCCTAAAGTGAGGGAGGGAGAGTTGCTCTTGTGGGGTGAGCTT
TCCCTGGGGTGCTGTGAACCAACCTGGCATGTGGATGTTCTTGGGTATCCAGAGCTGTC
CTGGACTCAGGCTTGGAGTCAGCTTCTTAGCACTGAATGCAGCCAGTCATGGATGGAGGT
CACTGATCTCACATGTTCCGCTCTCCCTTCTCCATGACCTTGCCCTCTGAGCCTCT
GTAGCACTTTTCTGAGTGTGTCCAGGCCATCTAGCTAAGAAGTAGCAGAAATGGGATT

165157 ACTGTATCTCACATGTTCCGCTCTCCCTTTCTCCATGACCTTGCCCCTCTGAGCCTCTG
TAGCACTTTTCTGAGTGTGTCCAAGGCCATCTAGCTAAGAAGTAGCAGAAATGGGATT
GAAGCCATGACTGTTTGGTGATAGAGCCTCAGCTTTGAACTGGGGTTCTACTGCCTGGCA
CCCCTGCACAAATCATGGTAACGTGGTAGGAGAACATAGAGGTATAGGGCAAGCCCCTCC
TTAATGCCATGAATAATACCCATCTTATAGGATTGTGGGGAGGACTCAGTGAAGTAACCC
[G,A]
TGAAGCACTAAACACGTGCCTGACACGTGCTCAATAAATGAGCACTTGTCTGATGACAA
AGGTCGTGGCATTAAATCTCTCTCCTAGGTTGTTACTTCTTGGAGACAGGAATTGTGGC
TTCCTTAATGGCCACTGCAGCAGAGTTTCTCAAGTTGGCACTATTGACATTTTGGGCTGG
ATAATTCTTGTGGGAGCTGCTCTGTGGATTGTAGGATGTTGAGCAGCATCTTGGCC
TCTACCCGCTACATATTAATAGCACCCCTAGTCATGAAAATAAAATGTCTAGACATTGGC

165405 ATGAATAATACCCATCTTATAGGATTGTGGGGAGGACTCAGTGAAGTAACCCGTGAAGCA
CTAAACACGTGCCTGACACGTGCTCAATAAATGAGCACTTGTCTGATGACAAAGGTCGT
GGCATTAAATCTCTCTCCTAGGTTGTTACTTCTTGGAGACAGGAATTGTGGCTTCTTA
ATGGCCACTGCAGCAGAGTTTCTCAAGTTGGCACTATTGACATTTTGGGCTGGATAATTC
TTGTTGTGGGAGCTGCTCTGTGGATTGTAGGATGTTGAGCAGCATCTTGGCCTCTACCC
[G,A]
CTACATATTAATAGCACCCCTAGTCATGAAAATAAAATGTCTAGACATTGCCAACTGCC
CCTGTTGAGAACCACTGGTCTGCAGGTATCTCTCATGGGGATCACAGGCTTTTATATTCT
TCTTCTCTGTCTCTCTCTCCCTCTCTGGGTGTCTCTCTCTCACACACACGCTTAGA
GAAGGTGGTTAAAAAATTTTGTGAAGTTTGAAGTTTGAAGTTTGAAGTTTGAAGTTTGA
TGAAGGCATTTTAAATGAACAGATAGACTCTGTCCATTCCATGGTCAACAGAAATTCAT

165500 CACTTGTCTGATGACAAAGGTCGTGGCATTAAATCTCTCTCCTAGGTTGTTACTTCTT
GAGGACAGGAATTGTGGCTTCTTAAATGGCCACTGCAGCAGAGTTTCTCAAGTTGGCACT
ATTGACATTTTGGGCTGGATAATCTTGTGTGGGAGCTGCTCTGTGGATTGTAGGATGT
TGAGCAGCATCTTTGGCCTCTACCCGCTACATATTAATAGCACCCCTAGTCATGAAAATA
AAATGTCTAGACATTGCCAACTGCCCTGTTGAGAACCACTGGTCTGCAGGTATCTCTC

FIGURE 30000

[G, A]
TGGGGATCACAGGGCTTTTATATTCTCTCTGTCTCTCTCTCCCTCTCTGGGTGTC
TCTCTCTCTCACACACACGCTTAGAGAAGGTGGTTAAAAAAATTTTGTGAAGTTTGAG
AATTTTGAGAACAAAGGAAAAATTTTGAAGGCATTTTAATGAACAGATAGACTCTGTCC
CATTCATGGTCAACAGAAATTTTATAATTAGATAGTTTGTCTACTGCAACTCTGCACCCC
ATTGCCCATCATTTTAGAGTTCCAACCAAGTTAGAGGATTTTCTTGCAAACCTTTCCTTAA

165751 CATTGCCAAACTGCCCTGTTGAGAACCACTGGTCTGCAGGTATCTCTCATGGGGATCAC
AGGGCTTTTATATTCTCTCTGTCTCTCTCTCCCTCTCTGGGTGTCCTCTCTCTC
ACACACACGCTTAGAGAAGGTGGTTAAAAAAATTTTGTGAAGTTTGAGAAATTTGAGA
ACAAAGGAAAAATTTTGAAGGCATTTTAATGAACAGATAGACTCTGTCCCATTCATGG
TCAACAGAATTTTATAATTAGATAGTTTGTCTACTGCAACTCTGCACCCCATTGCCCATC
[A, G]
TTTTAGAGTTCCAACCAAGTTAGAGGATTTTCTTGCAAACCTTTCCTTAAAGCAGTGATAG
TATCAGCTCTTTAAATAATACTATGCTTGATGAAGTGGTACTTTTCGGGATAATTTGAGA
CCAGCCGACTTGCTGCTTGAAGAGGACAGGGCTATATTTGGTAATAATATATATGTGATA
ATATGTATGTAATATTATTATAATGTAATATACAATAATATTTGGTGTAACTGGTGACTC
TGAGGCCAGTCTTTGATCGAACCTCTCAAGCTATGATTTACATTATGGTCAATGTTAGCA

165877 ACGCTTAGAGAAGGTGGTTAAAAAAATTTTGTGAAGTTTGAGAAATTTGAGAACAAAG
GAAAAATTTTGAAGGCATTTTAATGAACAGATAGACTCTGTCCCATTCATGGTCAACA
GAATTTTATAATTAGATAGTTTGTCTACTGCAACTCTGCACCCCATTGCCCATCATTTTA
GAGTTCCAACCAAGTTAGAGGATTTTCTTGCAAACCTTTCCTTAAAGCAGTGATAGTATCA
GCTCTTTAAATAATACTATGCTTGATGAAGTGGTACTTTTCGGGATAATTTGAGACCAGC
[C, A]
GACTTGCTGCTTGAAGAGGACAGGGCTATATTTGGTAATAATATATATGTGATAATATGT
ATGTAATATTATTATAATGTAATATACAATAATATTTGGTGTAACTGGTGACTCTGAGGC
CAGTCTTTGATCGAACCTCTCAAGCTATGATTTACATTATGGTCAATGTTAGCATAATGC
AATTATCAGCAATCACTTGCTGTTGCTTTGAAAGTCAGAAGGATGGCTAATAAAAAATCTT
AGAAAAAGAAAAACAGGCCGGGTGCAGTGGCTCACCCCTGTAATCCCAGCACTTTGGGAGG

166135 TGCTTGATGAAGTGGTACTTTTCGGGATAATTTGAGACCAGCCGACTTGCTGCTTGAAGA
GGACAGGGCTATATTTGGTAATAATATATATGTGATAATATGTATGTAATATTATTATAA
TGTAATATACAATAATATTTGGTGTAACTGGTGACTCTGAGGCCAGTCTTTGATCGAACCC
TCTCAAGCTATGATTTACATTATGGTCAATGTTAGCATAATGCAATTATCAGCAATCACT
TGCTGTTGCTTTGAAAGTCAGAAGGATGGCTAATAAAAAATCTTAGAAAAAGAAAAACAGGC
[T, C]
GGGTGCAGTGGCTCACCCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGACAGATCAT
GAGGTGAGGATCGAGACCATCTGGCCAACATGGTGAAACCCCATCTGTACTAGATAA
CAAAAAAATTTGCTGGGCGTGGTGGCGTGCCTGTAGTCCCAGCTACTCG
GGAGCTGAGTCAGGGGAATCGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATT
GTGCCACTGCACTCCAGCCTGGTGACAGAGTGAGACTCCGTCTCAAACAAAAACAAACAA

166139 TGATGAAGTGGTACTTTTCGGGATAATTTGAGACCAGCCGACTTGCTGCTTGAAGAGGAC
AGGGCTATATTTGGTAATAATATATATGTGATAATATGTATGTAATATTATTATAATGTA
ATATAACAATAATATTTGGTGTAACTGGTGACTCTGAGGCCAGTCTTTGATCGAACCTCTC
AAGCTATGATTTACATTATGGTCAATGTTAGCATAATGCAATTATCAGCAATCACTTGCT
GTTGCTTTGAAAGTCAGAAGGATGGCTAATAAAAAATCTTAGAAAAAGAAAAACAGGCCGG
[C, T]
GCAGTGGCTCACCCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGACAGATCATGAGG
TCAGGAGATCGAGACCATCTGGCCAACATGGTGAAACCCCATCTGTACTAGATAA
AAAAAATTTGCTGGGCGTGGTGGCGTGCCTGTAGTCCCAGCTACTCGGGAG
CTGAGTCAGGGGAATCGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGTGC
CACTGCACTCCAGCCTGGTGACAGAGTGAGACTCCGTCTCAAACAAAAACAAACAA

166187 CTTGAAGAGGACAGGGCTATATTTGGTAATAATATATATGTGATAATATGTATGTAATAT
TATTATAATGTAATATACAATAATATTTGGTGTAACTGGTGACTCTGAGGCCAGTCTTTG
ATCGAACCTCTCAAGCTATGATTTACATTATGGTCAATGTTAGCATAATGCAATTATCAG
CAATCACTTGCTGTTGCTTTGAAAGTCAGAAGGATGGCTAATAAAAAATCTTAGAAAAAGA
AAACAGGCCGGGTGCAGTGGCTCACCCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGG
[G, A]
CAGATCATGAGGTGAGGATCGAGACCATCTGGCCAACATGGTGAAACCCCATCTGTA
CTAGAATACAAAAAAATTTGCTGGGCGTGGTGGCGTGCCTGTAGTCCCA
GCTACTCGGGAGCTGAGTCAGGGGAATCGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAG
CCGAGATTGTGCCACTGCACTCCAGCCTGGTGACAGAGTGAGACTCCGTCTCAAACAAAA

FIGURE 3PPPP

CAAAACAAAACAAAAACAAAAAGAAAAATCTTAGAAAAAGAAAATAAATTGTAATATT

166209 TTGGTAATAATATATATGTGATAATATGTATGTAATATTATTATAATGTAATATACAATA
ATATTTGGTGTAACCTGGTGACTCTGAGGCCAGTCTTTGATCGAACCTCTCAAGCTATGAT
TTACATTATGGTCAATGTTAGCATAATGCAATTATCAGCAATCACTTGCTGTTGCTTTGA
AAGTCAGAAGGATGGCTAATAAAAAATCTTAGAAAAAGAAAAACAGGCCGGGTGCAGTGGCT
CACCCCTGTAATCCAGCACTTTGGGAGGCTGAGGCCGACAGATCATGAGGTGAGGAGAT
[C,T]
GAGACCATCTGGCCAACATGGTGAACCCCATCTGTACTAGAATACAAAAA
AAATTTGCTGGGCGTGGTGGCGTGGCCTGTAGTCCCAGCTACTCGGGAGCTGAGTCAGG
GGAATCGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGTGCCACTGCACTC
CAGCCTGGTGACAGAGTGAGACTCCGTCTCAAACAAAAACAAAAACAAAAACAAAA
AAAGAAAAATCTTAGAAAAAGAAAATAAATTGTAATATTTTCAAGATATTTGTTGGGGAGGA

166402 GGCTAATAAAAAATCTTAGAAAAAGAAAAACAGGCCGGGTGCAGTGGCTCACCCCTGTAATC
CCAGCACTTTGGGAGGCTGAGGCCGACAGATCATGAGGTGAGGAGATCGAGACCATCCTG
GCCAACATGGTGAACCCCATCTGTACTAGAATACAAAAA
CGTGGTGGCGTGGCCTGTAGTCCCAGCTACTCGGGAGCTGAGTCAGGGGAATCGCTTGA
ACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGTGCCACTGCACTCCAGCCTGGTGAC
[A,G]
GAGTGAGACTCCGTCTCAAACAAAAACAAAAACAAAAACAAAAAGAAAATCTTA
GAAAAAGAAAAATAAATTGTAATATTTTCAAGATATTTTGGGGAGGATATGTGTGCTCAA
GAAATATATACTGAGAACTTACCATTGATGCTAGAGATTGAATTGCCCATGTCTACATG
AAAAATGAATAGAATATAAACATTTTAAATTGAGCCATGTCTATCTGTATTATATTTCTT
TTATAGAAATTCATGGAAATGGTATATTTTAACTGAATTATTAACACTGGGGACAATAGG

166529 TGGTGAAACCCCATCTGTACTAGAATACAAAAA
GCGTGCGCCTGTAGTCCCAGCTACTCGGGAGCTGAGTCAGGGGAATCGCTTGAACCCGGG
AGGTGGAGGTTGCAGTGAGCCGAGATTGTGCCACTGCACTCCAGCCTGGTGACAGAGTGA
GACTCCGTCTCAAACAAAAACAAAAACAAAAACAAAAAGAAAATCTTAGAAAA
GAAAATAAATTGTAATATTTTCAAGATATTTTGGGGAGGATATGTGTGCTCAAGAAATG
[T,C]
ATACTGAGAACTTACCATTGATGCTAGAGATTGAATTGCCCATGTCTACATGAAAAATG
AATAGAATATAAACATTTTAAATTGAGCCATGTCTATCTGTATTATATTTCTTTTATAGA
AATTCATGGAAATGGTATATTTTAACTGAATTATTAACACTGGGGACAATAGGCTTTAA
CATTATCTAATACCTGTACGTTGTTTGAATTCATAGCCCACCACCATTAAATTTCAAAA
TTGGGTTCTTACTCAAAGAGTGATGAAAAGGCACCAGTACCAAATGGTCTGGCCAAATG

166567 AAAAAATTTGCTGGGCGTGGTGGCGTGGCCTGTAGTCCCAGCTACTCGGGAGCTGAGTC
AGGGGAATCGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATTGTGCCACTGCA
CTCCAGCCTGGTGACAGAGTGAGACTCCGTCTCAAACAAAAACAAAAACAAAAACAA
AAAAAGAAAATCTTAGAAAAAGAAAATAAATTGTAATATTTTCAAGATATTTTGGGGGA
GGATATGTGTGCTCAAGAAATATATACTGAGAACTTACCATTGATGCTAGAGATTGAAT
[G,T]
CCCCATGTCTACATGAAAAATGAATAGAATATAAACATTTTAAATTGAGCCATGTCTATC
TGTATTATATTTCTTTTATAGAAATTCATGGAAATGGTATATTTTAACTGAATTATTAAC
ACTGGGGACAATAGGCTTTAATCATTATCTAATACCTGTACGTTGTTTGAATTCATAG
CCCACCACCATTAAATTTCAAATTTGGGTTCTTACTCAAAGAGTGATGAAAAGGCACCAGT
ACCAAATGGTCTGGCCAAATGCTACATGGAATAAATGCTGGGGATGGTCATACAATGA

166951 ATTCATGGAAATGGTATATTTTAACTGAATTATTAACACTGGGGACAATAGGCTTTAATC
ATTATCTAATACCTGTACGTTGTTTGAATTCATAGCCCACCACCATTAAATTTCAAAAT
TGGGTTCTTACTCAAAGAGTGATGAAAAGGCACCAGTACCAAATGGTCTGGCCAAATGC
TACATGGAACATAAATGCTGGGGATGGTCATACAATGAGTTTAAAGTGGCTAGACCCTAA
TCAGAAGCACTTTCTTCAATTAGCACCATGGTTCTTAATCCTTTCTGTACATTACAATC
[G,A]
CTCAGCAGCTTAATACAAATGTTGCTTCCCGGGGCCACACTCCACATCTTTCTGACTCTC
TGATTTAATTGGTCCGAATGGGGCTATACATCAGGTGTTTTTAAAGGTCTCCAAGTG
ATTCTAATGTGTACCTGCATTGAGGACCAGGAAGGTGTAGGAAGCCTGATAACCTTTAC
TCTCCAGCCTCATCCTCAATCCCATGATTGTTTATGGGATTGTTGCTACACACCCAGCT
TAGTCATAGCATTCTTACTCTAGCTTTTTTTTAGATGCAATTTTTATTATTCTTAAAGA

167026 TACGTTGTTTTGAATTCATAGCCCACCACCATTAAATTTCAAATTTGGGTTCTTACTCAA
AGAGTGATGAAAAGGCACCAGTACCAAATGGTCTGGCCAAATGCTACATGGAATAAAT
GCTGGGGATGGTCATACAATGAGTTTAAAGTGGCTAGACCCTAAATCAGAAGCACTTTCT

FIGURE 3QQQQ

TCTAATTAGCACCATGGTTCTTAATCCTTTCTGTACATTACAATCGCTCAGCAGCTTAAT
ACAAATGTTGCTTCCCGGGGCCACACTCCACATCTTTCTGACTCTCTGATTTAATTGGTC
[C,T]
GAATGGGGCCTATACATCAGGTGTTTTTTAAAAGGTCTCCAAGTGATTCTAATGTGTACC
TGCAATTGAGGACCAGGGAAGGTGTAGGAAGCCTGATAACCTTTACTCTCCAGCCTCATCC
TCCAATCCCATGATTGTTTATGGGATTGTTGCTACACACCCAGCTTAGTCATAGCATTCT
TACTCTAGCTTTTTTTTAGATGCAATTTTTATTTATTCTTAAAGAAAAAGATTTCTTTAG
CACCTTTATTCTAAAGAGCTCTTAATTGCTGTGCTTAGAACTTCTAAACAGTGAGCATT

167086 AGAGTGATGAAAAGGCACCAGTACCAATGGTCTGGCCAAAATGCTACATGGAATAAAT
GCTGGGGATGGTCATACAATGAGTTTTAAGTGGCTAGACCTAAATCAGAAGCACTTTCT
TCTAATTAGCACCATGGTTCTTAATCCTTTCTGTACATTACAATCGCTCAGCAGCTTAAT
ACAAATGTTGCTTCCCGGGGCCACACTCCACATCTTTCTGACTCTCTGATTTAATTGGTC
CGAATGGGGCCTATACATCAGGTGTTTTTTAAAAGGTCTCCAAGTGATTCTAATGTGTAC
[C,T]
TGCAATTGAGGACCAGGGAAGGTGTAGGAAGCCTGATAACCTTTACTCTCCAGCCTCATCC
TCCAATCCCATGATTGTTTATGGGATTGTTGCTACACACCCAGCTTAGTCATAGCATTCT
TACTCTAGCTTTTTTTTAGATGCAATTTTTATTTATTCTTAAAGAAAAAGATTTCTTTAG
CACCTTTATTCTAAAGAGCTCTTAATTGCTGTGCTTAGAACTTCTAAACAGTGAGCATT
GTCAAACATAGAATAGCAGAATGAAGGGTTGGACCTCGGGTGAGGAGGGCTGTCGCATG

167517 TTTTTTAGATGCAATTTTTATTTATTCTTAAAGAAAAAGATTTCTTTAGCACCTTTATT
CTAAAGAGCTCTTAATTGCTGTGCTTAGAACTTCTAAACAGTGAGCATTTGTCAAACATA
GAATAGCAGAATGAAGGGGTTGGACCTCGGGTGAGGAGGGCTGTCGCATGGTCTCTTTG
AGTGCCGGCGGGTGGGGGCTGCACATCTCTCGCTTCTGGGCCATTGATAAGTGACCTA
AAAGTGCCCTTCGTTTTTTTGGTGGGGGTGAAAAAGCAATCTGTTTTGTACCCACAGC
[G,A]
GTGCACTTTAAACAGGAAGCCCTACTGGGGCCAGCCTTCTATGTGTCATTAAGTTTTCA
CGCCACATCCTACCTATCATCATGCACCCATGTCATCGTTCTTTTAAAGGGTGCCAGTTT
TTTGCTTAAGCACAAAGGAGCTGTGACCTGTGTTGTCATCCCTGATGCATGTCATGCATGT
GACTTCATGACATGTGGGTGACTTTTGATCTCTGAAGGACCAGGGACCCAGTCTGTGGAT
CACCCTCTCTCCGTGGGTGGTTTGGGTCTTGTTCTAGCCACCCAGCCAGGTGCAAT

167552 AAAAGATTTCTTTAGCACCTTTATTCTAAAGAGCTCTTAATTGCTGTGCTTAGAACTTCT
AAACAGTGAGCATTTGTCAAACATAGAATAGCAGAATGAAGGGGTTGGACCTCGGGTGAG
GAGGCTGTGCGCATGGTCTCTTCGAGTGCCGGCGGGTGGGGGCTGCACATCTCTCGCT
TCTGGGCCATTGATAAGTGACCTAAAGTGCCCTTCGTTTTTTTTTGGTGGGGGGTGAAA
AAGCAATCTGTTTTGTACCCACAGCGGTGCACTTTAAACAGGAAGCCCTACTGGGGCCAG
[G,C]
CTTCTATGTGTCATTAAGTTTTTACGCCACATCCTACCTATCATCATGCACCCATGTCA
TCGTTCTTTTAAAGGGTGCCAGTTTTTGTCTTAAGCACAAAGGAGCTGTGACCTGTGTTGT
CATCCCTGATGCATGTCATGCATGTGACTTCATGACATGTGGGTGACTTTTGATCTCTGA
AGGACCAGGGACCCAGTCTGTGGATCACCCTCTCTCCGTGGGTGGTTTGGGTCTTGTTT
TCTAGCCACCCAGCCAGGTGCAATTAGGAATAAAGGAAATAGCAAAGGAATTTTGCTCA

167775 TTTGGTGGGGGTGAAAAAGCAATCTGTTTTGTACCCACAGCGGTGCACTTTAAACAGGA
AGCCCTACTGGGGCCAGCCTTCTATGTGTCATTAAGTTTTTACGCCACATCCTACCTAT
CATCATGCACCCATGTCATCGTTCTTTTAAAGGGTGCCAGTTTTTGTCTTAAGCACAAAG
AGCTGTGACCTGTGTTGTCATCCCTGATGCATGTCATGCATGTGACTTCATGACATGTGG
GTGACTTTTGATCTCTGAAGGACCAGGGACCCAGTCTGTGGATCACCCTCTCTCCGTGG
[C,G]
TGGTTTGGGTCTTGTTCTCTAGCCACCCAGCCAGGTGCAATTAGGAATAAAGGAAATAG
CAAAGGAATTTTGCTCAAGGCCATGCCAAGCATTTCTCATATGAAAAGGAAAAGAGA
GAGAGTGTGTGTGTTGGCTAGATTTAGGTAGAAAACAGGCTGGTGAGAAGCGTAGAAC
TTGGTTAAATTTCTAGCCAAAAGTAAGATTTTTTAAAGATTTATTTCTGGATCCAATC
CCTGTTGCCCATTTCTATGAATAATCACCATTTGTTTTAATGTGAATAATAGCACACAGC

167876 CACGCCACATCCTACCTATCATCATGCACCCATGTCATCGTTCTTTTAAAGGGTGCCAGT
TTTTGCTTAAGCACAAAGGAGCTGTGACCTGTGTTGTCATCCCTGATGCATGTCATGCAT
GTGACTTCATGACATGTGGGTGACTTTTGATCTCTGAAGGACCAGGGACCCAGTCTGTGG
ATCACCCTCTCTCCGTGGGTGGTTTGGGTCTTGTTCTCTAGCCACCCAGCCAGGTGCA
ATTAGGAATAAAGGAAATAGCAAAGGAATTTGCTCAAGGCCATGCCAAGCATTTCTATCT
[C,T]
ATATGAAAAGGAAAAGAGAGAGTGTGTGTGTTGGCTAGATTTAGGTAGAAAACAGG
CTGGTGAGAAGCGTAGAACTTGGTTAAATTTCTAGCCAAAAGTAAGATTTTTTAAAGA

FIGURE 3RRRR

TTTATTTCTGGATCCAATCCCTGTTGCCATTTCTATGAATAATCACCATTTGTTTTAAT
GTGAATAATAGCACACAGCAAATTCAGCCCCCTGAGTTTTACCATTTTAAGCAATTGCTT
TAGGCCCCGTGAGGCATGTACTATTTATGAAGTTGCATGGGTAGTAATGGAAAACACAACA

172530 GGTTCGAGGCTACTTGAGATGTGATTGCTCCTAATGAACCTCCACGGGCTTTTTAAC
CTGTCGATGTGTTTTATTTCAGATGGAGCAGGAAATGACCCGGTTACATCGGAGAGTGCA
GAGGTGGAGGCTGTGCTTAGTCAGAAGGAGGTGGAGCTGAAGGCCTCTGAGACTCAGAGA
TCCCTCCTGGAGCAGGACCTTGCTACCTACATCACAGAATGCAGTGTGAGCCTTCCCTGA
AGCCCCCTTCCCTTGAGGTGGCACTTCCTGTTGTGTGTCTCATCCTGTTTCATGATG
[A, G]
CTCCATGAGGCACATCACAGCCAATGGCAGAGAGTAGAGAGAGGGAGAGCACAAAAGCAA
GATCTGTGTTTTGCAGAGTAGTGAGAGCCAGGCGTAAGGTCCCCAAGAAATGAGATTGGA
CTCATTTCCAGCAGAAAGTGACGGTAGACGGCTGGTACCATGGAGTCTGGAGATGGGAGT
AATTCATCTTTGCCGCAAGTTGCAAAAGATCTTAACATCTCCATCCCAGCCTCTGTGGT
CTGCGTTGTGCTGACATGAGCAGCCTTGAGAACCAGACTCCCAACTATGTACAAGAAAA

172714 TCCTGGAGCAGGACCTTGCTACCTACATCACAGAATGCAGTGTGAGCCTTCCCTGAAGCC
CCCTTCCCTTGAGGTGGCACTTCCTGTTGTGTGTCTCATCCTGTTTCATGATGACTC
CATGAGGCACATCACAGCCAATGGCAGAGAGTAGAGAGAGGGAGAGCACAAAAGCAAGAT
CTGTGTTTTGCAGAGTAGTGAGAGCCAGGCGTAAGGTCCCCAAGAAATGAGATTGGACTC
ATTTCCAGCAGAAAGTGACGGTAGACGGCTGGTACCATGGAGTCTGGAGATGGGAGTAAT
[T, C]
CATCTTTGCCGCAAGTTGCAAAAGATCTTAACATCTCCATCCCAGCCTCTGTGGTCTGC
GTTGTGTCTGACATGAGCAGCCTTGAGAACCAGACTCCCAACTATGTACAAGAAAACTTA
CTTTCAATCTTCTGACATCAAATTTTCCATTGGCCAGAACCAGTGTAGTGACAAGAAAA
TAGCCTTGAAAACCCAGACCCTCTGCTATTATTTACCATGTGACTTTCATTTTTTCTTTC
CTTCACAAGAGTAGACTGTCTTCTTCTCATTGTCTTGTTAAATTTTTCATTTCAGGTGTT

173811 TGATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGCATGCACCACCATGCCCA
GCTAATTTTTGTATTTTGTAGTAAAGACGGGGTTTCACCATGTTGGCCAGGGTGGTCTCGA
TCTCTTGACCTTGATCCGCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGA
GCCACTGTGCCAGCCATAAATCAAAATTTTTTTCAGCAATTGTTATACAAGTGAACCT
TACTCTTCAAATGCAATTGTCCAGTGTCTGGCTTAATGTCTGCTGTTGTGAGAAACCATG
[C, T]
GAATGGAGTAGATTTCCAGGTTATAAGGAGCCCCCAGGGAGGATGCGCGAGTCACTGGCT
TCTCCAGGGGTCTCTGGTTTGGGGTTGCCTTGGTGTGGGCACACTTCCTGGAGATTTTA
CTGGACCAGCCTGAGGCCTTTGGGGCTCTGTGCAGATGCTCTACTTCTGACTTGTCTAGA
GCTTTCTTCTAATTCTGGACTAAAAGCAAGCAGGAGTTTGGAGGATGATGGTGAGAATTC
ACATCCCCGAGTTGGCTTTTGAATGCAGTAGTTTGTGAGATTTAGTGTTTTTTTTAAGA

173812 GATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGCATGCACCACCATGCCAG
CTAATTTTTGTATTTTGTAGTAAAGACGGGGTTTCACCATGTTGGCCAGGGTGGTCTCGAT
CTCTTGACCTTGATCCGCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAG
CCACTGTGCCAGCCATAAATCAAAATTTTTTTCAGCAATTGTTATACAAGTGAACCTT
ACTCTTCAAATGCAATTGTCCAGTGTCTGGCTTAATGTCTGCTGTTGTGAGAAACCATG
[C, T, G]
AATGGAGTAGATTTCCAGGTTATAAGGAGCCCCCAGGGAGGATGCGCGAGTCACTGGCTT
CTCCAGGGGTCTCTGGTTTGGGGTTGCCTTGGTGTGGGCACACTTCCTGGAGATTTTAC
TGGACCAGCCTGAGGCCTTTGGGGCTCTGTGCAGATGCTCTACTTCTGACTTGTCTAGAG
CTTTCTTCTAATTCTGGACTAAAAGCAAGCAGGAGTTTGGAGGATGATGGTGAGAATTC
CATCCCCGAGTTGGCTTTTGAATGCAGTAGTTTGTGAGATTTAGTGTTTTTTTTAAGA

Chromosome map:
Chromosome 12

FIGURE 3SSSS